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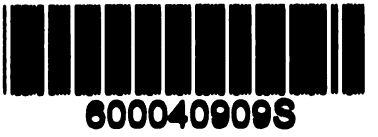
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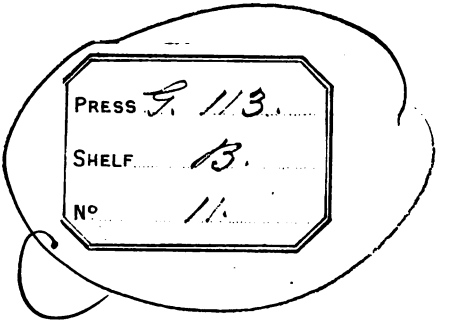

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CATALOGUE OF WORKS

ON

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Omnium rerum principia parva sunt.

Cic.

PRINTED FOR PRIVATE CIRCULATION

BY J. E. ADLARD, BARTHOLOMEW CLOSE.

1865.

"THEREFORE, at present we shal keep within the compass of the Microscope, and look at nothing further than what we can discover therein: 'The knowledge of Man (saith the learn'd Verulam) hath hitherto been determin'd by the view or sight, so that whatsoever is invisible, either in respect of the fineness of the Body it self, or the smalness of the parts, or of the subtilty of its motion, is little enquired; and yet these be the things that govern Nature principally:' How much, therefore, are we oblig'd to modern Industry, that of late hath discover'd this advantageous Artifice of Glasses, and furnish'd our necessities with such artificial Eyes, that now neither the fineness of the Body, nor the smalness of the parts, nor the subtilty of its motion, can secure them from our discovery."

POWER, '*Mic. Obs.*,' 1664.

PREFACE.

THE motive that has induced me to print the present Catalogue has been the want long felt by myself, and which I have often heard expressed by other observers, of some tolerably complete list of works on the Microscope, and on subjects that require the aid of that instrument for their elucidation; or which refer to matters interesting to those engaged in Microscopical studies. As far as I am aware, no extensive catalogue is at present available to the Microscopical student, either of the works preceding the modern improvements in the instrument, many of which are still of considerable interest; or of the larger number that have been devoted to the subject since the perfection attained by the Compound Microscope has led to its almost universal use, both in medical studies and in nearly every branch of Natural History. In its compilation, although I have endeavoured to follow, with as much accuracy as possible, the plan adopted by Mr. Dryander in his valuable 'Catalogus Bibliothecæ Historico-Naturalis Josephi Banks,' so far as to give, not only the names and titles, but the number of pages and plates in each work; I have not thought it

advisable, though it might be considered an improvement, to give a list of every separate article from the transactions of the Microscopical, Linnean, or other societies, or from those scientific journals, which contain valuable contributions to Microscopical Science. At present I simply confine myself to the works especially devoted to the construction and use of the Microscope; to those treating of Infusoria, Polycystina, the various classes of minute Algæ, and other objects which can only be examined by the aid of optical power; and to such subjects as Zoophytology, Cryptogamic Botany, or to minute dissections in any department of Natural History, for which the aid of the Microscope is absolutely necessary. A few books have been added as giving the best account of optical instruments, and the most complete list of works on Microscopical subjects, and one as containing the lives of many of the earliest labourers in this field of study. The Catalogue comprises all the works of the older writers which, after diligent search, I have been able to collect during the past fifteen years; and the greater part of those published during that period, both here and abroad; but in the class of pamphlets, I have, with only a few exceptions, confined myself to those of which I have obtained separate copies, and which therefore may be entitled to rank as distinct works. I am much indebted for the trouble taken by Mr. Wheldon in obtaining for me copies of the old English authors, and especially to Messrs. Williams and Norgate for collecting from various parts of the Continent many very interesting, but to them very unremunerative publications, which I had vainly endeavoured to procure in

this country. I have endeavoured to make the Catalogue more generally useful by adding an index to the various classes of subjects to which the books refer; but the books themselves are invariably entered under the authors' names. The arrangement and compilation have not been made without a considerable amount of trouble; but if even in a few instances it should prove as useful to other observers as in manuscript it has been to myself, I shall consider that I am fully repaid for the time and labour bestowed on its preparation.

3, CARLTON VILLAS, MAIDA VALE;
October 18*th*, 1865.

CATALOGUE.

A.

ADAMS (GEORGE, Senior).

1. Micrographia Illustrata, or the Knowledge of the Microscope explained, with a translation of Mr. Joblot's Observations on the Animalcula found in many infusions; and an account of the fresh-water Polype, translated from the treatise of Mr. Trembley.
   2nd edit., 4to, pp. 263, plates 65. London, 1747.
2. Micrographia Illustrata, or the Microscope explained.
   4th edit., 8vo, pp. 325, plates 71. London, 1771.

ADAMS (GEORGE, Junior).

1. Essays on the Microscope, containing a practical description of the most improved Microscopes, with a general history of Insects.
   4to, pp. 720, plates 26. London, 1787.
2. Essays on the Microscope, with considerable additions and improvements, by F. Kanmacher.
   2nd edit., 4to, pp. 724, plates 32. London, 1798.
3. An Essay on Vision, briefly explaining the fabric of the Eye and the nature of Vision.
   2nd edit., 8vo, pp. 172, plate 1. London, 1792.

ADDISON (W.).

1. On the Sacculi of Polygastrica.
   8vo, pp. 2. (Papers on Diatomaceæ, &c., vol. i.)
   London, 1843.

AGARDH (CAR. A.).

1. Systema Algarum.
   8vo, pp. 312. Lundæ, 1824.
2. Icones Algarum Europæarum. Représentation d'Algues Européennes suivie de celle d'espèces exotiques les plus remarquables récemment découvertes.
   8vo, plates 40. Leipsic, 1828—1835.
3. Conspectus criticus Diatomacearum.
   8vo, pp. 66. Lundæ, 1830—1832.
4. Icones Algarum ineditæ.
   4to, pp. 4, plates 20. (4to Tracts, vol. iii.) Lundæ, 1846.

AGARDH (JACOB GEORGE).

1. Species, Genera, et Ordines Algarum.
   2 vols. 8vo, pp. 363, 1291. Lundæ, 1848—1851.

AGASSIZ (LOUIS) and GOULD (A. A.).

1. Outlines of Comparative Physiology, touching the structure and development of the Races of Animals, living and extinct. Edited and enlarged by Thos. Wright, M.D.
   8vo, pp. 442, woodcuts 390. London, 1851.

AGASSIZ (LOUIS).

1. Bibliographia Zoologiæ et Geologiæ, a general Catalogue of all Books, Tracts, and Memoirs on Zoology and Geology. Edited by H. E. Strickland and Sir W. Jardine.
   4 vols. 8vo, pp. 506, 492, 657, 604. (Ray Society.) London, 1848—1854.
2. An Essay on Classification.
   8vo, pp. 381. London, 1859.

ALDER (JOSHUA) and HANCOCK (ALBANY).

1. A Monograph of the British Nudibranchiate Mollusca, with figures of all the Species.
   fol., pp. —, plates 83. (Ray Society.) London, 1845—1855.

ALDER (JOSHUA).

1. Notes on *Montacuta ferruginosa*.
   8vo, pp. 4, plate 1. (Papers on Diatomaceæ, &c., vol. i.) London, 1850.

ALLMAN (GEORGE JAMES).

1. Biological Contributions. Description of a new Species and Genus of Entomostraca.
   8vo, pp. 9, plates 2. (Papers on Diatomaceæ, &c., vol. i.) London, 1847.
2. A Monograph of the Fresh-water Polyzoa, including all the known Species, both British and Foreign.
   fol., pp. 119, plates 11. (Ray Society.) London, 1856.
3. On the occurrence of Amœbiform Protoplasm, and the emission of Pseudopodia, among the Hydroida.
   8vo, pp. 4, plate 1. (8vo Tracts, vol. v.) London, 1864.

ANONYMOUS.

1. The Wonders of the Microscope, or an Explanation of the Wisdom of the Creator in objects comparatively minute.
   8vo, pp. 118, plates 5. London, 1811.
2. What is Coal? (Report of Jury Trial in the Court of Session of Gillespie *v.* Russel.)
   8vo, pp. 57. (8vo Tracts, vol. iv.) Edinburgh, 1853.
3. Microscopics. (Household Words.)
   8vo, pp. 5. (8vo Tracts, vol. vi.) London, 1856.
4. The World Unseen. (Household Words.)
   8vo, pp. 6. (8vo Tracts, vol. vi.) London, 1856.
5. Microscopic Preparations. (Household Words.)
   8vo, pp. 7. (8vo Tracts, vol. vi.) London, 1857.
6. Minims. (Household Words.)
   8vo, pp. 6. (8vo Tracts, vol. vi.) London, 1856.
7. Curiosities of Animal Life, with the recent Discoveries of the Microscope.
   8vo, pp. 14, woodcuts. (Religious Tract Society.) London, 1859.
8. The Conditions of Infusorial Life.
   8vo, pp. 14. (8vo Tracts, vol. v.) London, 1862.
9. The Wonders of the Microscope Photographically Revealed by Olley's Patent Micro-Photographic Reflecting Process.
   8vo, pp. 8, plates 3. London, N.D.

ARAGO (FRANÇOIS).

1. Refraction (Double) and Polarization of Light.
   4to, pp. 26. (From Encyclopædia Britannica.) Edinburgh, N.D.

ARCHER (W.) and DIXON (N. V.).

1. Description of two New Species of Staurastrum, and some cases of Abnormal Growth of Desmidiaceæ, by W. Archer; and a New Genus and Species of Desmidiaceæ, by the Rev. N. V. Dixon.
   8vo, pp. 19, plate 1. (Papers on Diatomaceæ, &c., vol. iv.) London, 1860.

ARCHER (WILLIAM).

1. Supplementary Catalogue of Desmidiaceæ found in the neighbourhood of Dublin, with description and figures of a proposed New Genus, and of four New Species.
   8vo, pp. 32, plate 1. (Papers on Diatomaceæ, &c., vol. iv.) Dublin, 1858.

ARTIS (EDMUND TYRRELL).

1. Antediluvian Phytology, illustrated by a collection of the Fossil remains of Plants peculiar to the Coal Formations of Great Britain.
   4to, pp. 37, plates 24. London, 1838.

AUDOUIN (J. V.) et MILNE-EDWARDS (H.).

1. Recherches pour servir à l'Histoire naturelle du Littoral de la France, ou recueil de Mémoires sur l'Anatomie, la Physiologie, la Classification, et les Mœurs des Animaux de nos Côtes.
   2 vols. 8vo, pp. 290, 406, plates 18, 3. Paris, 1832—1834.

AYRES (PHILIP BURNARD).

1. Micro-chemical Researches on the Digestion of Starch and Amylaceous Foods.
   8vo, pp. 8. (Proceedings Royal Society, vol. vii.) London, 1856.

B.

BADDELEY (W. H.).

1. On some Diatomaceæ that are found in *Noctiluca Miliaris*, and the best means of obtaining them.
   8vo, pp. 2. (Papers on Diatomaceæ, vol. iv.) London, 1858.

BAILEY (J. W.).

1. American Polythalamia from the Upper Mississippi, and also from the Cretaceous formation on the Upper Missouri.
   8vo, pp. 2, woodcut 1. New Haven, 1841.
2. Sketch of the Infusoria of the Family Bacillaria, with some account of the most interesting Species which have been found in a recent and fossil state in the United States.
   Part 1. 8vo, pp. 22, plates 2. New Haven, 1841.
   „ 2. 8vo, pp. 18, „ 2. New Haven, 1842.
   „ 3. 8vo, pp. 12, „ 2. New Haven, 1842.
3. On a curious Microscopic Fungus, *Craterium pyriforme*.
   8vo, p. 1. New Haven, 1842.
4. Account of some New Infusorial Forms discovered in the Fossil Infusoria from Petersburg, Va., and Piscataway, Md.
   8vo, pp. 6, plate 1. New Haven, 1843.
5. Notice of a Memoir by C. G. Ehrenberg "On the Extent and Influence of Microscopic Life in North and South America."
   8vo, pp. 18. New Haven, 1844.
6. Notice of some New Localities of Fossil and Recent Infusoria.
   8vo, pp. 22, plate 1. (Papers on Diatomaceæ, vol. iv.) New Haven, 1845.
7. Notice of Microscopic Forms found in the Soundings of the Sea of Kamtschatka.
   8vo, pp. 6, plate 1. (Papers on Diatomaceæ, vol. iv.) New Haven, 1856.
8. Microscopical Observations made in South Carolina, Georgia, and Florida.
   4to, pp. 48, plates 3. New York, 1850.
9. Microscopical Examination of Soundings, made by the United States Survey off the Atlantic Coast of the United States.
   4to, pp. 15, plate 1. New York, 1851.

BAILEY (J. W.)—*continued.*

10. Notes on New Species and Localities of Microscopical Organisms.
4to, pp. 16, plate 1. New York, 1853.
11. On a Universal Indicator for Microscopes.
8vo, pp. 8, plate 1. (Papers on Diatomaceæ, &c., vol. ii.) 1856.
12. On some Specimens of Deep-sea Bottom from the Sea of Kamtschatka, collected by Lieut. Brooke, U.S.N.
8vo, pp. 2. (Papers on Diatomaceæ, vol. iii.) London, 1857.

BAILEY (LORING WILLIAM).

1. Notes on New Species of Microscopical Organisms, chiefly from the Para River, South America.
8vo, pp. 24, plates 2. (Papers on Diatomaceæ, vol. v.) Boston, 1861.

BAIRD (WILLIAM).

1. The Natural History of the British Entomostraca.
8vo, pp. 364, plates 36. (Ray Society.) London, 1850.

BAKER (HENRY).

1. The Microscope Made Easy.
2nd edit., 8vo, pp. 324, plates 14. London, 1743.
2. The Microscope Made Easy.
3rd edit., pp. 324, plates 15. London, 1744.
3. Het Microscoop gemakkelyk gemaakt.
8vo, pp. 300, plates 14. Amsterdam, 1744.
4. The Microscope Made Easy.
5th edit., pp. 324, plates 15. London, 1769.
5. Le Microscope à la portée de tout le Monde, ou description, calcul, et explication de la nature, de l'usage, et de la force des meilleurs Microscopes, &c.
8vo, pp. 376, plates 14. Paris, 1754.
6. Beyträge zum nützlichem und vergnügendem Gebrauch und Verbesserung des Microscopii.
8vo, pp. 576, plates 17. Augsburg, 1754.
7. An Attempt towards a Natural History of the Polype.
8vo, pp. 222, plate 1 and woodcuts. London, 1743.
8. Essai sur l'Histoire naturelle du Polype Insecte, traduit de l'Anglois par P. Demours.
8vo, pp. 359, plates 22. Paris, 1744.
9. Employment for the Microscope.
1st edit., 8vo, pp. 466, plates 17. London, 1753.
10. 2nd edit., 8vo, pp. 464, plates 18. London, 1764.

BAKER (HENRY)—*continued.*

11. Of Microscopes, and the Discoveries made thereby.
Vol. i. The Microscope Made Easy.
8vo, pp. 324, plates 15.
Vol. ii. Employment for the Microscope.
8vo, pp. 452, plates 15. London, 1785.
12. Das zum Gebrauch leicht gemachtes Microscopium. Translated into German by J. L. Steiner.
8vo, pp. 343, plates 13. Zurich, 1753.

BALBIANI (G.).

1. Recherches sur les phénomènes sexuels des Infusoires.
8vo, pp. 130, plates 3. (Brown-Séquard's Journal of Physiology, vol. iv.) Paris, 1861.

BARBA (ANTONIO).

1. Osservazioni Microscopiche sul cervello e sue parti adjacenti.
2nd edit., 8vo, pp. 71, plate 1. Naples, 1819.

BARY, (ANTON. DE).

1. Untersuchungen über die familie der conjugaten (Zygnemeen und Desmidieen).
4to, pp. 91, plates 8. (4to Tracts, vol. iii.)
Leipzig, 1858.

BASHAM, (W. R.).

1. On Dropsy connected with Disease of the Kidneys (Morbus Brightii), &c., illustrated by numerous drawings from the Microscope.
8vo, pp. 241, plates 10. London, 1858.

BASTER, (JOB).

1. Opuscula subseciva, observationes miscellaneas de animalculis et plantis quibusdam marinis, eorumque ovariis et seminibus continentia.
Tom. i, lib. 1—3; Tom. 2, lib. 1.
4to, pp. 201, plates 20. Haarlem, 1762.

BATE (C. SPENCE).

1. On the Homologies of the Carapace, and on the Structure and Function of the Antennæ in Crustacea.
8vo, pp. 11, plates 2. (Papers on Diatomaceæ, &c., vol. ii.)
London, 1855.

BAUER (FRANCIS).

1. Microscopical Observations on the Suspension of the Muscular Motions of the Vibrio Tritici.
   4to, pp. 16, plates 2. (Phil. Trans., vol. cxiii.)
   London, 1823.

BEALE (LIONEL S.).

1. The Microscope, and its application to Clinical Medicine.
   1st edit., 8vo, pp. 303, plate 1, woodcuts 232.
   London, 1854.
2. On some Points in the Anatomy of the Liver of Man and Vertebrate Animals, with directions for Injecting the Hepatic Ducts and making Preparations.
   8vo, pp. 80, plates 66. London, 1856.
3. On the Ultimate Arrangement of the Biliary Ducts, and on some other points in the Anatomy of the Liver of Vertebrate Animals.
   8vo, pp. 13. (Proceedings Royal Society, vol. vii.)
   London, 1856.
4. How to Work with the Microscope.
   1st edit., 8vo, pp. 124, plates 28. London, 1857.
5. 3rd edit., 8vo, pp. 272, plates 57. London, 1865.
6. Archives of Medicine.
   3 vols. 8vo, pp. 388, 324, 386, plates 32, 16, 19.
   London, 1857—1863.
7. The Microscope in its application to Practical Medicine.
   2nd edit., 8vo, pp. 390, plate 1, woodcuts 271.
   London, 1858.
8. Illustrations of the Constituents of Urine, Urinary Deposits, and Calculi.
   8vo, pp. 72, plates 35. London, 1858.
9. On the Structure of the Simple Tissues of the Human Body.
   8vo, pp. 203, plates 10. London, 1861.

BECK (RICHARD).

1. On the Scales of Lepidocyrtus —? hitherto termed Podura Scales, and their value as tests for the Microscope.
   8vo, pp. 6, plate 1. (8vo Tracts, vol. vii.)
   London, 1862.
2. A Treatise on the Construction, Proper Use, and Capabilities of Smith, Beck, and Beck's Achromatic Microscopes.
   Roy. 8vo, pp. 134, plates 28, woodcuts 76.
   London, 1865.

BELLINGHAM (O'BRYEN).

1. Catalogue of Irish Entozoa, with Observations.
   8vo, pp. 9. (Papers on Diatomaceæ, &c., vol. i.)
   London, 1843.

BENNETT (JOHN HUGHES).

1. On the Employment of the Microscope in Medical Studies, a Lecture introductory to a Course of Histology.
   8vo, pp. 27. Edinburgh, 1841.
2. Clinical Lectures on the Principles and Practice of Medicine.
   2nd edit., 8vo, pp. 951, woodcuts 468. Edinburgh, 1858.

BERKELEY (M. J.) and BROOME (C. E.).

1. Notices of British Fungi.
   8vo, pp. 16, plates 2. (Papers on Diatomaceæ, &c., vol. i.)
   London, 1850.

BERKELEY (M. J.).

1. On the preservation of objects of Natural History for the Microscope.
   8vo, pp. 3. London, 1845.
2. Introduction to Cryptogamic Botany.
   8vo, pp. 604, woodcuts 126. London, 1857.
3. On some New Fungi.
   4to, pp. 4, plate 1. (Linnean Transactions, vol. xxii.)
   London, 1859.
4. Outlines of British Fungology, containing characters of above a thousand species of Fungi, and a complete list of all that have been described as natives of the British Isles.
   8vo, pp. 442, plates 24. London, 1860.

BIRD (GOLDING).

1. Urinary Deposits, their Diagnosis, Pathology, and Therapeutical Indications.
   3rd edit., 8vo, pp. 428, woodcuts 60. London, 1851.

BLACKWALL (JOHN).

1. A History of the Spiders of Great Britain and Ireland.
   fol., pp. 384, plates 29. (Ray Society.) London, 1861.

BLOCH (MARCUS ELIESER).

1. Traité de la generation des vers des intestins, et des vermifuges.
   8vo, pp. 128, plates 10. Strasbourg, 1788.

Bonhomme (J.).

1. Notes sur quelques algues d'eau douce.
   8vo, pp. 8, plates 2. (Papers on Diatomaceæ, vol. iv.)
   Rodez, 1858.

Bonanni (Philippus).

1. Observationes circa viventia, quæ in rebus non viventibus reperiuntur, cum micrographia curiosa.
   4to, pp. 445, plates 68. Rome, 1691.
2. Micrographia curiosa, sive rerum minutissimarum observationes, quæ ope microscopii recognitæ et expressæ describuntur.
   4to, pp. 106, plates 40. Rome, 1692.

Borellus (Petrus).

1. De vero telescopii inventore cum brevi omnium conspiciliorum historia, accessit etiam Centuria observationum microscopicarum.
   small 4to, pp. 188, woodcuts. Hague, 1655—1656.

This is the earliest work I have been able to meet with on Microscopical objects.

3. Historiarum et observationum medico-physicarum Centuriæ iv.
   8vo, pp. 521. Paris, 1657.

Bornet (Ed.).

1. Instructions sur la recolte, l'étude, et la préparation des Algues.
   8vo, pp. 36. (Papers on Diatomaceæ, vol. iv.)
   Cherbourg, 1856.

Bory de St. Vincent (J. G. B. M.).

1. Essai d'une classification des Animaux Microscopiques.
   8vo, pp. 115. Paris, 1826.
2. Cryptogamie de Voyage autour du Monde, sur la Corvette, La Coquille, pendant les Années 1822—1825.
   1 vol. 4to, text, pp. 301.
   1 vol. fol., plates, pp. 38. Paris, 1826-1828.

Bosc (L. A. G.).

1. Histoire naturelle des Vers, contenant leur Description et leurs Mœurs.
   3 vols., 12mo, pp. 324, 300, 270, plates 32.
   Paris, 1801—1802.

BOWERBANK (JAMES SCOTT).

1. Fossil Fruits and Seeds of the London Clay.
   8vo, pp. 144, plates 17. London, 1840.
2. Observations on the Structure of the Shells of Molluscous and Conchiferous Animals.
   8vo, pp. 34, plates 5. (Trans. Mic. Soc.) London, 1844.
3. On the Anatomy and Physiology of the Spongiadæ.
   4to, pp. 54, plates 4. (4to Tracts, vol. ii.) London, 1857.
4. A Monograph of the British Spongiadæ. (Ray Society.)
   Vol. i, 8vo, pp. 290, portrait and plates 37.
   London, 1864.

BRACHET (ACHILLE).

1. Court exposé du principe sur lequel reposent les meilleurs Microscopes Dioptriques composés achromatiques, du professeur J. B. Amici et du Marquis de Panciatichi.
   8vo, pp. 25, woodcuts. (8vo Tracts, vol. iv.) Paris, 1858.

BRAUN (ALEXANDER).

1. The Phenomenon of rejuvenescence in Nature, especially in the life and development of Plants. Translated by A. Henfrey.
   8vo, pp. 341, plates 4. (Ray Society.) London, 1853.
2. Algarum unicellularum genera nova et minus cognita.
   4to, pp. 111, plates 6. (4to Tracts, vol. iii.) Leipsig, 1855.
3. The Vegetable Individual in its relation to Species. Translated by Charles Fras. Stone. Part I.
   8vo, pp. 24. (Papers on Diatomaceæ, vol. ii.)
   London, 1855.
4. The Vegetable Individual in its relation to Species. Translated by Charles Fras. Stone. Part II.
   8vo, pp. 22. (Papers on Diatomaceæ, vol. ii.)
   London, 1855.
5. Uber Chytridium eine gattung einzelliger Schmarotzergewächse auf Algen und Infusorien.
   4to, pp. 83, plates 5. (4to Tracts, vol. iii.)
   Berlin, 1856.

BRÉBISSON (A. DE) et GODEY.

1. Algues des Environs de Falaise, decrites et dessinées.
   8vo, pp. 62, plates 8. Falaise, 1836.

BREBISSON (ALPHONSE DE).

1. Notes sur quelques Diatomées marines, rare, ou peu connues du littoral du Cherbourg.
   8vo, pp. 20, plate 1. (Papers on Diatomaceæ, vol. iii.)
   Cherbourg, 1834.

BREBISSON (ALPHONSE DE)—*continued.*

2. Considerations sur les Diatomées, et essai d'une classification des genres et des espèces appartenant a cette famille.
   8vo, pp. 22. (Papers on Diatomaceæ, vol. iii.)
   Falaise, 1838.
3. Description de quelques nouvelles Diatomées observées dans le guano de Peru, formant le genre Spatangidium.
   8vo, pp. 7, plate 1. (Papers on Diatomaceæ, vol. iii).
   Caen, 1857.

BREWSTER (DAVID).

1. A Treatise on New Philosophical Instruments.
   8vo, pp. 427, plates 12. Edinburgh, 1813.
2. On the Optical and Physical Properties of Tabasheer.
   4to, pp. 17. (Phil. Trans.) London, 1819.
3. A Treatise on the Microscope.
   8vo, pp. 193, plates 14. Edinburgh, 1837.
4. A Treatise on Optics.
   8vo, pp. 526, woodcuts 239. London, 1853.
5. The Microscope and its Revelations (from the North British Review, No. 50).
   8vo, pp. 40. London, 1856.

BRIGHTWELL (THOMAS).

1. Sketch of a Fauna Infusoria for East Norfolk.
   small 4to, pp. 48, plates 19. (Privately printed.)
   Norwich, 1848.
2. On the Filamentous Long-horned Diatomaceæ, with a Description of Two New Species.
   8vo, pp. 5, plate 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1856.
3. On the Genus Triceratium, with descriptions and figures of the Species.
   8vo, pp. 8, plate 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1856.
4. Further Observations on the Genus Triceratium, with descriptions and figures of New Species.
   8vo, pp. 5, plate 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1856.
5. Further Observations on the Genus Triceratium and Chætoceros.
   8vo, pp. 4, plate 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1858.
6. Remarks on the Genus Rhizosolenia of Ehrenberg.
   8vo, pp. 3, plate 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1858.

BRIGHTWELL (THOMAS)—*continued.*

7. On some of the rarer, or undescribed Species of Diatomaceæ. (Part I.)
   8vo, pp. 3, plate 1. (Papers on Diatomaceæ, vol. iv.) London, 1859.
8. On some of the rarer, or undescribed Species of Diatomaceæ. (Part II.)
   8vo, pp. 5, plates 2. (Papers on Diatomaceæ, vol. iv.) London, 1860.

BROCKLESBY (JOHN).

1. Views of the Microscopic World.
   8vo, pp. 146, lithographs. New York, 1851.

BRODIE (PETER BELLINGER).

1. A History of the Fossil Insects in the Secondary Rocks of England.
   8vo, pp. 130, plates 11. London, 1845.

BROOKE (CHARLES).

1. On the Structure of certain Microscopic Test Objects, and their action on the transmitted Rays of Light.
   8vo, pp. 5. (Proc. Royal Society, vol. vii.) London, 1856.

BRUGUIÈRE (JEAN GUILLAUME).

1. Tableau Encyclopédique et Méthodique, contenant l'Helminthologie, ou les Vers Infusoires, les Vers Intestins, et les Vers Mollusques.
   4to, pp. 132, plates 159. Paris, 1791.

BURGGRAEVE (ADOLPH).

1. Histologie, ou Anatomie de Texture.
   8vo, pp. 568, plates 12. Gand, 1843.

BURMEISTER (HERMANN).

1. A Manual of Entomology. Translated by W. E. Shuckard.
   8vo, pp. 654, plates 33. London, 1836.

BUSK (GEORGE).

1. Catalogue of the Marine Polyzoa in the collection of the British Museum.
   8vo, Cheilostomata, parts I. and II., pp. 120, plates 125. London, 1852—1854.

Busk (George)—*continued.*

2. A Monograph of the Fossil Polyzoa of the Crag.
4to, pp. 136, plates 22. (Palæontographic Society.)
London, 1859.

C.

Carpenter (William B.), and Claparede (Ed.).

1. Further Researches on Tomopteris onisciformis (Eschscholz).
4to, pp. 10, plate 1. (Linnean Trans., vol. xxiii.)
London, 1862.

Carpenter (William B.).

1. Vegetable Physiology and Systematic Botany.
8vo, pp. 576, woodcuts 202. London, 1848.
2. On Shell.
8vo, pp. 16, woodcuts 20. London, 1848.
3. On the Microscopic Structure of Nummulina, Orbitolites, and Orbitoides.
8vo, pp. 19, plates 6. (Jour. Geol. Society, vol. vi.)
London, 1850.
4. Principles of Physiology, general and comparative.
3rd edit., 8vo, pp. 1098, woodcuts 321. London, 1851.
5. The Microscope and its Revelations.
1st edit., 8vo, pp. 778, woodcuts 345. London, 1856.
2nd edit., 8vo, pp. 719, woodcuts 370. London, 1858.
3rd edit., 8vo, pp. 792, plates 10 and woodcuts 395.
London, 1862.
6. Zoology. Being a systematic account of the general structure, habits, instincts, and uses of the principal families of the animal kingdom as well as the chief forms of fossil remains.
2nd edit., 8vo, 2 vols., pp. 586 and 588, woodcuts 731.
London, 1857.
7. On the Development of Purpura.
8vo, pp. 2. (8vo Tracts, vol. v.) London, 1857.
8. On Tomopteris onisciformis Eschscholtz.
4to, pp. 10, plate 1. (Linnean Trans., vol. xxii.)
London, 1859.
9. Introduction to the Study of the Foraminifera.
fol., pp. 319, plates 22. (Ray Society.) London, 1862.

CARRUTHERS (WILLIAM).

1. On Tryblionella Victoriæ and Denticula subtilis, two species of British Diatomaceæ.
   8vo, pp. 2. (Papers on Diatomaceæ, vol. vi.) London, 1863.

CARTER (HENRY J.).

1. Observations on the Development of Gonidia (?) from the cell contents of the Characeæ, and on the circulation of the mucus substance of the cell; with a postscript.
   8vo, pp. 22. (Papers on Diatomaceæ, vol. ii.) London, 1855.

CATALOGUES.

1. Of the Specimens of British Radiata, in the Collection of the British Museum, by J. E. Gray, Ph. D.
   8vo, pp. 173. London, 1848.
2. Of the Specimens of British Sponges in the Collection of the British Museum, by J. E. Gray, Ph. D.
   8vo, pp. 24. London, 1848.
3. Of the Specimens of British Crustacea in the Collection of the British Museum, by Mr. Adam White.
   8vo, pp. 141. London, 1850.
4. Descriptive and Illustrated Catalogue of the Histological Series contained in the Museum of the Royal College of Surgeons of England, by John Quekett.
   2 vols. 4to, pp. 305, 248, plates 18, 18. London, 1850—1855.
5. Of British Diatomaceæ in the Collection of the British Museum.
   8vo, pp. 55. London, 1859.
6. Of the Books in the Library of the Microscopical Society of London.
   8vo, pp. 20. (8vo Tracts, vol. vii.) London, 1859.
7. Of the Microscopic Objects in the Cabinet of the Microscopical Society of London.
   8vo, pp. 51. (8vo Tracts, vol. vii.) London, 1864.

CATLOW (AGNES).

1. Drops of Water, their marvellous and beautiful inhabitants displayed by the Microscope.
   small 4to, pp. 194, plates 4. London, 1851.

CAUNTER (HENRY).

1. Notice of an Infusorial Deposit in the Island of Lewis.
   8vo, pp. 4, plate 1. (Papers on Diatomaceæ, vol. iv.) Mss., 1859.

CHAUVIN (J. F.).

1. Essai d'une répartition des Polypiers calcifères de Lamouroux dans la classe des Algues.
   4to, pp. 22. Caen, 1842.
2. Recherches sur l'organisation, la fructification et la classification de plusieurs genres d'algues, avec la description de quelques espèces inédites, ou peu connues.
   4to, pp. 108. Caen, 1842.

CHEVALIER (ARTHUR).

1. L'étudiant Micrographe, traité théorique et pratique du Microscope, et des préparations, augmentée des applications a l'étude de l'Anatomie de la Botanique et de l'Histologie de MM. A. de Brébisson, H. Van Heurck, et G. Pouchet.
   2nd edit., pp. 555, plates 8, woodcuts 195.
   Paris, 1865.

CHEVALIER (CHARLES).

1. Des Microscopes et de leur Usage.
   8vo, pp. 284, plates 5. Paris, 1839.
2. Die Mikroskope und ihr Gebrauch. Oder vollständiges Handbuch der Mikrographie, enthaltend eine beschreibung de neuesten Methoden und Apparate zu Mikroskopischen Beobachtungen. Translated by Dr. Fr. T. Kerstein.
   2nd edit., 8vo, pp. 181, plates 6. Quedlinburg, 1864.

CLAPARÉDE (EDOUARD).

1. Etudes sur la circulation du Sang chez les Aranées du genre Lycose.
   4to, pp. 22, plate 1. Paris, 1863

CLARK (WILLIAM).

1. On the recent Foraminifera.
   8vo, pp. 11. (Papers on Diatomaceæ, &c., vol. i.)
   London, 1850.

CLARKE (J. LOCKHART).

1. On the Nervous System of Lumbricus terrestris.
   8vo, pp. 9. (Proc. Roy. Society, vol. viii.)
   London, 1857.

CLARKE (L. LANE).

1. The Microscope: being a popular description of the most instructive and beautiful objects for exhibition.
   8vo, pp. 231. London, 1858.
2. Objects for the Microscope: being a popular description of the most instructive and beautiful subjects for exhibition.
   2nd edit., 8vo, pp. 248. London, 1863.

CLAUS (C.).

1. Beitrage zur Kenntniss der Entomostraken.
   4to, pp. 28, plates 4. (4to Tracts, vol. ii.)
   Marburg, 1860.

CLUTIUS (AUGERIUS).

1. De Hemerobio sive Ephemero insecto, et majali verme, cum De nuce medica.
   small 4to, pp. 141, woodcuts. Amsterdam, 1634.

COBBOLD (T. SPENCER).

1. On some New Forms of Entozoa.
   4to, pp. 4, plate 1. (Linnean Trans., vol. xxii.)
   London, 1859.
2. Observations on Entozoa, with Notices of several New Species, including an Account of Two Experiments in regard to the Breeding of Tænia serrata and T. cucumerina.
   4to, pp. 18, plates 3. (Linnean Trans., vol. xxii.)
   London, 1859.
3. The common Liver Entozoon of Cattle.
   8vo, pp. 8, plate 1. (8vo Tracts, vol. v.) London, 1862.
4. Further Observations on Entozoa, with Experiments.
   4to, pp. 10, plate 1. (Linnean Trans., vol. 23.)
   London, 1862.
5. Entozoa, an Introduction to the Study of Helminthology, with reference more particularly to the Internal Parasites of Man.
   roy. 8vo, pp. 480, plates 21, woodcuts 82.
   London, 1864.

COCKS (JOHN).

1. Algarum fasiculi: or a collection of British Sea-weeds, carefully dried and preserved, with a description of each plant, time of appearance, locality, &c.
   4to, 169 species. Dublin, 1855.

CODDINGTON (HENRY).

1. An Elementary Treatise on Optics. (With autograph.)
   8vo, pp. 192, plates 8. Cambridge, 1823.

COHN (FERDINAND).

1. On the Natural History of Protococcus fluviatilis. Translated by G. Busk.
   8vo, pp. 51, plates 5. (Ray Society.) London, 1853.

COMBER (THOMAS).

1. On the Diatomaceæ of the Neighbourhood of Liverpool.
   8vo, pp. 12. (Papers on Diatomaceæ, vol. iv.)
   Liverpool, 1858.

COOKE (M. C.).

1. A plain and easy Account of British Fungi.
   8vo, pp. 148, plates 24. London, 1862.
2. An Introduction to the Study of Microscopic Fungi.
   8vo, pp. 238, plates 16. London, 1865.

COOPER (DANIEL), Editor.

1. The Microscopic Journal and Structural Record for 1841. (Vol. i.)
   8vo, pp. 201, plates 2, and woodcuts. London, 1841.

COOPER (DANIEL) and BUSK (GEORGE).

1. The Microscopic Journal and Structural Record for 1842. (Vol. ii.)
   8vo, pp. 375, plates 13. London, 1842.

COULIER (P.).

1. Manuel Pratique de Microscopie appliquée a la Médecine.
   8vo, pp. 328, plates 12. Paris, 1859.

CUNO (COSMUS CONRAD).

1. Observationes durch dessen verfertigte Microscopia deren unterschiedlichen Insecten, nebst andern unsichtbaren Kleinigkeiten der Natur.
   fol., pp. 11, plates 16. Augsburg, 1734.

CURREY (FREDERICK).

1. On some British Fresh-water Algæ.
   8vo, pp. 10, plate 1. (Papers on Diatomaceæ, vol. iv.)
   London, 1858.

CURREY (FREDERICK)—*continued.*

2. Synopsis of the Fructification of the Compound Sphæriæ of the Hookerian Herbarium.
   4to, pp. 32, plates 5. (Linnean Trans., vol. xxii.) London, 1859.
3. Synopsis of the Fructification of the Simple Sphæriæ of the Hookerian Herbarium.
   4to, pp. 24, plates 3. (Linnean Trans., vol. xxii.) London, 1859.

CUVIER (FREDERICK).

1. Des Dents des Mammifères, considérées comme caractères zoologiques.
   8vo, pp. 258, plates 103. Paris, 1825.

CUVIER (GEORGE).

1. Leçons d'anatomie comparée.
   5 vols., 8vo, pp. 521, 697, 558, 539, 368, plates 52. Paris, 1800—1805.
2. Lectures on Comparative Anatomy. Translated from the French by William Ross, under the inspection of James Macartney.
   2 vols., 8vo, pp. 542, 710. London, 1802.
3. Memoires pour servir à l'Histoire et l'Anatomie des Mollusques.
   4to, pp. 258, plates 35. Paris, 1817.
4. The Animal Kingdom arranged according to its organization, serving as a foundation for the Natural History of Animals, and an introduction to Comparative Anatomy.
   4 vols., 8vo, letter-press, pp. 380, 412, 472, 544.
   4 vols., 8vo, plates 209, 201, 199, 146. London, 1834.
5. Le Regne Animal. Troisième Grande Division, Les Annelides.
   8vo, pp. 54, plates 24. Paris, N.D.
6. Le Regne Animal. Quatrième Embranchement, Les Zoophytes ou Animaux Rayonnés. Edited by Milne-Edwards.
   8vo, pp. 254, plates 97. Paris, N.D.

CYCLOPÆDIAS.

1. The Penny Cyclopædia of the Society for the Diffusion of Useful Knowledge, edited by Charles Knight.
   roy. 8vo, 27 vols. and 2 Supplements, woodcuts. London, 1833—1846.
2. The Cyclopædia of Anatomy and Physiology. Edited by Robert B. Todd.
   8 vols., 8vo, woodcuts. London, 1835—1859.

CYCLOPÆDIAS.—*continued.*

3. The English Cyclopædia conducted by Charles Knight, Natural History.
roy. 8vo, 4 vols., woodcuts. London, 1854.

D.

DALE (JOHN).

1. On a Process for Tallow Soundings.
8vo, pp. 3. (Papers on Diatomaceæ, vol. v.)
London, 1861.

DALYELL (JOHN GRAHAM).

1. Observations on some interesting Phenomena in Animal Physiology exhibited by several species of Planariæ.
8vo, pp. 150, plate 1. Edinburgh, 1814.

DANCER (J. B.).

1. On cleaning and preparing Diatoms, &c., obtained from Soundings.
8vo, pp. 2. (Papers on Diatomaceæ, vol. v.)
London, 1861.

DARWIN (CHARLES).

1. The Structure and Distribution of Coral Reefs.
8vo, pp. 214, maps 3. London, 1842.
2. A Monograph of the Cirripedia, with figures of all the Species.
Vol. 1, The Lepadidæ, 8vo, pp. 400, plates 10. (Ray Society.) London, 1851.
Vol. 2, The Balanidæ, Verrucidæ, &c., 8vo, pp. 684, plates 30. (Ray Society.) London, 1854.
3. Journal of Researches into the Natural History and Geology of the countries visited during the voyage of H.M.S. Beagle round the world, under the command of Captain Fitz Roy.
2nd edit., 8vo, pp. 519. London, 1860.
4. On the various contrivances by which British and Foreign Orchids are fertilised by Insects, and on the good effects of Intercrossing.
8vo, pp. 365, woodcuts 34. London, 1862.

DAVIES (THOMAS).

1. The Preparation and Mounting of Microscopic Objects.
8vo, pp. 156. London, 1864.

DEAN (JOHN).

1. Anatomie microscopique du renflement lombaire de la Moelle épinière.
8vo, pp. 26, plate 1. (Brown-Séquard Journal de la Physiologie.) Paris, 1861.

DEANE (HENRY) and BRADY (HENRY B.).

1. On Microscopical Research in relation to Pharmacy.
8vo, pp. 10, plates 3. (8vo Tracts, vol. vii.)
London, 1864.

DEANE (HENRY).

1. On the History of Arachnoidiscus.
8vo, pp. 2. (Papers on Diatomaceæ, &c., vol. iii.)
London, 1858.

DECAISNE (J.).

1. Memoire sur le developpement du Pollen, de l'ovule, et sur la structure des tiges de Gui (Viscum Album.)
4to, pp. 63, plates 2. Paris, 1840.

DELLA TORRE (GIOVANNI MARIA).

1. Nuove osservazioni Microscopiche.
8vo, pp. 135, plates 14. Napoli, 1776.

DELLEBARRE (L. F.).

1. Memoire sur les différences de la construction et des effets du Microscope.
8vo, pp. 32. La Haye, 1777.

DENNY (HENRY).

1. Monographia Pselaphidarum et Scydmænidarum Britanniæ.
8vo, pp. 72, plates 14. Norwich, 1825.
2. Monographia Anoplurorum Britanniæ.
8vo, pp. 262, plates 26. London, 1842.
3. Description of Six supposed new Parasites.
8vo, pp. 5, plate 1. (Papers on Diatomaceæ, vol. i.)
London, 1843.

DERHAM (W.).

1. Physico-Theology, or a demonstration of the Being and Attributes of God from his works of Creation.
   6th edit., 8vo, pp. 454, plate 1. London, 1723.

DESMAREST (ANSELME-GAETAN).

1. Considérations générales sur la classe des Crustacés, et description des espèces de ces animaux, qui vivent dans la mer, sur les côtes, ou dans les eaux douces de la France.
   8vo, pp. 446, plates 56. Paris, 1825.

DICKIE (G.).

1. On a deposit of Diatomaceæ and Mollusca in the County of Antrim.
   8vo, pp. 3. (Papers on Diatomaceæ, vol. iv.)
   London, 1858.

DICQUEMARE (ABBÉ).

1. An Essay towards elucidating the History of the Sea Anemonies. Translated by Mathew Maty.
   4to, pp. 45, plates 2. London, 1774.

DILLENIUS (JOHN JAQUES).

1. Historia Muscorum, a general history of land and water mosses and corals, containing all the known species.
   4to, pp. 23, plates 85. London, 1768.

DILLWYN (LEWIS WESTON).

1. British Confervæ, or coloured figures and descriptions of the British Plants referred by Botanists to the Genus Conferva.
   4to, pp. 87, plates 115. London, 1809.

DIPPEL (L.).

1. Beitrage zur vegetabilischen Zellenbildung.
   4to, pp. 68, plates 6. (4to Tracts, vol. iii.)
   Leipzig, 1858.

DONKIN (ARTHUR S.).

1. On a Species of Filamentous Diatom new to Britain.
   8vo, pp. 2. (Papers on Diatomaceæ, vol. iii.)
   London, 1857.
2. On the Marine Diatomaceæ of Northumberland, with a description of eighteen new species.
   8vo, pp. 23, plate 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1857.

DŌNKIN (ARTHUR S.).—*continued.*

3. Notes in reply to Dr. Walker Arnott.
   8vo, pp. 5. (Papers on Diatomaceæ, vol. iv.)
   London, 1858.
4. On the Marine Diatomaceæ of Northumberland, with a description of several new species.
   8vo, pp. 15, plate 1. (Papers on Diatomaceæ, vol. v.)
   London, 1861.

DONNÉ (AL.) et FOUCAULT (LEON).

1. Cours de Microscopie, complémentaire des études Médicales Anatomie Microscopique et Physiologie des fluides de l' économie. Atlas exécuté d'après nature au Microscope-Daguerréotype.
   fol., pp. 26, plates 10. Paris, 1845.

DONNÉ (AL.).

1. Cours de Microscopie, complémentaire des études Médicales Anatomie Microscopique et Physiologie des fluides de l'économie.
   8vo, pp. 350. Paris, 1844.

D'ORBIGNY (ALCIDE).

1. Foraminifères Fossiles du Bassin Tertiare de Vienne.
   4to, pp. 312, plates 21. Paris, 1846.

DRUCE (THOMAS CHARLES).

1. On Conjugation of Diatomaceæ.
   8vo, p. 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1857.

DRUMMOND (JAMES L.).

1. On Fossil Infusoria found in the County Down, Ireland.
   8vo, pp. 3, woodcut 1. (8vo Tracts, vol. i.)
   London, 1839.

DRYANDER (JOHN).

1. Catalogus Bibliothecæ Historico-Naturalis Josephi Banks, et Supplementum.
   5 vols., 8vo, pp. 309, 578, 656, 390, 513.
   Londini, 1796—1800.

DÜBENS (GUSTAV VON).

1. Treatise on Microscopical Diagnosis. Translated by Louis Bauer.
   8vo, pp. 82, woodcuts 71. New York, 1859.

DUFOUR (LEON).

1. Recherches Anatomiques et Physiologiques sur les Hemiptères.
   4to, pp. 333, plates 19. Paris, 1833.

DUJARDIN (FELIX).

1. Histoire Naturelle des Zoophytes-Infusoires, comprenant la Physiologie et la Classification de ces Animaux.
   8vo, pp. 698, plates 22. Paris, 1841.
2. Nouveau Manuel complet de l'Observateur au Microscope.
   12mo, pp. 330. Paris, 1843.
   Atlas, 8vo, pp. 44, plates 30. Paris, 1842.

D'UKEDEM (J.).

1. Description des Infusoires de la Belgique.
   4to, pp. 34, plates 5. Bruxelles, 1862.

DUMORTIER (B. C.) et VAN BENEDEN (P. J.).

1. Histoire Naturelle des Polypes composés d'Eau douce ou des Bryozoaires fluviatiles.
   4to, pp. 165, plates 7. Bruxelles, 1850.

DUMORTIER (B. C.).

1. Mémoire sur l'Embryologie des Mollusques Gastéropodes.
   4to, pp. 47, plates 4. Bruxelles, 1837.

DUTROCHET (H.).

1. Recherches Anatomiques et Physiologiques sur la structure intime des Animaux et des Vegetaux et sur leur motilité.
   8vo, pp. 232, plates 2. Paris, 1824.
2. Observations sur la circulation des fluides chez le Chara fragilis.
   8vo, pp. 56, plates 2. (8vo Tracts, vol. v.) Paris, 1838.

DYSTER (FREDERIC DANIEL).

1. Notes on Phoronis hippocrepia.
   4to, pp. 6, plate 1. (4to Tracts, vol. ii.) London, 1858.

E.

EDWARDS (ARTHUR M.).

1. Note on the Reproduction of Individuals of the Genus Actinia.
   8vo, pp. 4. (8vo Tracts, vol. iv.) 1858.
2. On the Diatomaceous Forms contained in a Peat marl from Milwaukee.
   8vo, pp. 2. (Papers on Diatomaceæ, vol. iv.) 1858?
3. On Diatomaceæ collected in the United States.
   8vo, pp. 8. (Papers on Diatomaceæ, vol. iv.)
   London, 1859.
4. On American Diatomaceæ.
   8vo, pp. 3. (Papers on Diatomaceæ, vol. v.)
   London, 1860.

EGGER (JOSEPH GEORGE).

1. Die Foraminiferen der Miocän-Schichten bei Ortenburg in Nieder-Bayern.
   8vo, pp. 60, plates 11. (8vo Tracts, vol. vi.)
   Stuttgart, 1857.

EHRENBERG (CHRISTIAN GOTTFRIED).

1. Die Geographische Verbreitung der Infusionsthierchen in Nord-Africa und West-Asien.
   4to, pp. 20 Berlin, 1828.
2. Beiträge zur kenntniss der organisation der Infusorien und ihrer geographischen Verbreitung besonders in Sibirien.
   4to, pp. 88, plates 8. Berlin, 1830.
3. Organisation, Systematik und Geographisches Verhältniss der Infusionsthierchen.
   fol., pp. 108, plates 8. Berlin, 1830.
4. Zur Erkenntniss der Organisation in der Richtung des Kleinsten Raumes.
   4to, pp. 154, plates 4. Berlin, 1832.
5. Dritter Beitrag zur Erkenntniss grosser Organisation in der Richtung des Kleinsten Raumes.
   4to, pp. 192, plates 11. Berlin, 1834.
6. Die Infusionsthierchen, als Vollkommene Organismen.
   2 vols., fol., pp. 547, plates 64. Leipzig, 1838.

EHRENBERG (CHRISTIAN GOTTFRIED)—*continued.*

7. Die Bildung der Europäischen, Lybyschen, und Arabischen, Kreidefelsen und des Kreidemergels aus Mikroskopischen Organismen.
   fol., p. 91, plates 4. Berlin, 1839.
8. On numerous Animals of the Chalk Formation, which are still to be found in a living state. Translated by William Francis.
   8vo, pp. 55, plates 4. (Papers on Diatomaceæ, vol. ii.) London, 1840.
9. Verbreitung und Einfluss des Mikroskopischen Lebens in Süd- und Nord-Amerika.
   4to, pp. 158, plates 4. Berlin, 1843.
10. Passat-staub und Blut-Regen, ein grosses organisches unsichtbares Wirken und Leben in der Atmosphäre.
   4to, pp. 192, plates 6. Berlin, 1849.
11. Mikrogeologie, das Erden und Felsen Schaffende wirken des unsichtbar kleinen selbständigen Lebens auf der Erde. (With Supplement.)
   fol., pp. 493, plates 40. Leipzig, 1854.
12. Uber den Grünsand, und seine Erläuterung des Organischen Lebens.
   4to, pp. 92, plates 7. Berlin, 1856.
13. Beitrag zur Bestimmung des Stationären Mikroskopischen Lebens in bis 20,000 Fuss Alpenhöhe.
   4to, pp. 28, plates 3. Berlin, 1859.

EICHWALD (V.).

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   8vo, pp. 381, plates 5. Moscow, 1847—1852.

ELLIS (JOHN).

1. An Essay towards a Natural History of the Corallines, and other Marine productions of the like kind.
   4to, pp. 103, plates 40. London, 1755.
2. The Natural History of many curious and uncommon Zoophytes, collected from various parts of the globe.
   4to, pp. 208, plates 63. London, 1786.

ENGELMANN (TH. WILHELM).

1. Zur Naturgeschichte der Infusionsthiere.
   8vo, pp. 47, plates 4. (8vo Tracts, vol. v.) Leipzig, 1862.

F.

FERGUSON (JOHN).

1. The Microscope, its Revelations and Applications in Science and Art.
   8vo, pp. 160. Edinburgh, 1858.

FICHTEL (LEOPOLD VON) and VON MOLL (J. P. CARL).

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   4to, pp. 123, plates 24, coloured by hand.
   Vienna, 1798.

FLEMING (JOHN).

1. The Philosophy of Zoology, or a General View of the Structure, Functions, and Classification of Animals.
   2 vols. 8vo, pp. 432, 618, plates 5. Edinburgh, 1822.
2. Molluscous Animals, including Shell Fish; containing an exposition of the Structure, Systematical Arrangement, Physical Distribution, and Dietetical Uses.
   8vo, pp. 246, plates 18. Edinburgh, 1837.

FOERSTER (AUGUST).

1. Atlas der Mikroskopischen Pathologischen Anatomie.
   4to, pp. 87, plates 18. (4to Tracts, vol. iv.)
   Leipzig, 1854.
   Supplement, 4to, pp. 33, plates 8. (4to Tracts, vol. iv.)
   Leipzig, 1856.

FONTANA (FELIX).

1. Traité sur le Vénin de la Vipère, &c., on y a joint des Observations sur la Structure primitive du Corps Animal.
   4to, pp. 329, 373, plates 10. Florence, 1781.
2. Treatise on the Venom of the Viper, with Observations on the Primitive Structure of the Animal Body, different Experiments on the Structure of the Nerves, and a Description of a New Canal of the Eye. Translated by Joseph Skinner.
   8vo, 2 vols., pp. 424, 429, plates 10. London, 1786.

FORBES (EDWARD) and HANLEY (SYLVANUS).

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   8vo, 4 vols., pp. 486, 557, 616, 301, plates 203.
   London, 1853.

FORBES (EDWARD).

1. A Monograph of the British Naked-Eyed Medusæ, with Figures of all the Species.
   fol., pp. 104, plates 13. (Ray Society.) London, 1848.

FORT (J. A.).

1. Traité Elementaire d'Histologie.
   8vo, pp. 336. Paris, 1863.

FRESENIUS (G.)

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   Frankfort, 1858.

FREY (HEINRICH).

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   8vo, pp. 472, woodcuts 228. Leipzig, 1863.

FURLONG (THOMAS).

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   8vo, pp. 3. (Papers on Diatomaceæ, vol. v.)
   London, 1861.

G.

GERBER (FR.).

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   2 vols., 8vo, pp. 496, 76, plates 34. London, 1842.

GERLACH (J.).

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GERVAIS (PAUL).

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GILLETT (W. S.).

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   8vo, pp. 2. (Proceedings Royal Society, vol. vii.) London, 1856.

GIROD-CHANTRANS (C.).

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   4to, pp. 238, plates 32. Paris, 1799.

GLUGE (GOTTLIEB).

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   4to, pp. 100, plates 12. Philadelphia, 1853.

GORING (C. R.) and PRITCHARD (ANDREW).

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   1st edit., 8vo, pp. 96, plates 4. London, 1830.
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GRAHAM (F. J.).

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GRANT (ROBERT E.).

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GRAY (JOHN EDWARD) and CARRUTHERS (WILLIAM).

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8vo, pp. 123. London, 1864.

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London, 1856.

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   8vo, pp. 36, plates 2. (Papers on Diatomaceæ, vol. iii.) London, 1856.
7. On New Forms of Marine Diatomaceæ found in the Frith of Clyde, and in Loch Fine.
   4to, pp. 72, plates 6. (Trans. Roy. Soc. Edin., vol. xxi.) Edinburgh, 1857.

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   8vo, pp. 88, woodcuts 16. London, 1859.
2. A Manual of the Sub-kingdom Cœlenterata.
   8vo, pp. 271, woodcuts 39. London, 1861

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   6 vols. 8vo, plates 360. Edinburgh, 1823—1828.
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3. Report on a Collection of Diatomaceæ made in the district of Braemar, by Professor Balfour and Mr. George Lawson.
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2. 2nd edit., 8vo, pp. 751, plates 45, woodcuts 812. London, 1860.

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   8vo, pp. 192, plates 12. London, 1864.
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   8vo, pp. 7. (Proc. Royal Society, vol. vii.) London, 1856.

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   Zweite Folge. 8vo, pp. 44, plate 1. (Grunow on Diatomaceæ.) Vienna, 1862.

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   Utrecht, 1848—1854.
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3. De Nieuwste verbeteringen van het Mikroskoop en zijn gebruik.
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4. Das Mikroskop. Theorie, Gebrauch, Geschichte, und Gegenwärtiger Zustand desselben. Translated by Fr. W. Theile.
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   3rd edit., 8vo, pp. 324, woodcuts. London, 1854.
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   Small 8vo, pp. 220. London, 1857.
5. Atlas of British Sea-weeds, drawn from Prof. Harvey's Phycologia Britannica.
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   4 vols. in 2, fol., pp. 427, plates 160. Leipzig, 1787—1797.

HEEGER (ERNST).

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   1st and 2nd Lieferung, 8vo, pp. 45, plates 50. Vienna, 1860-61.

HEIBERG (P. A. C.).

1. Conspectus criticus Diatomacearum Danicarum.
   8vo, pp. 136, plates 6. Leipzig, 1863.

HELLER (KARL B.).

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HELWIG (A.).

1. Das Mikroskop in der Toxikologie. Beiträge zur mikroskopischen und mikrochemischen Diagnostik der wichtigsten Metall- und Pflanzengifte, fur Gerichtsärzte, gerichtliche Chemiker und Pharmaceuten, mit einem Atlas Photographirter Mikroskopischer Präparate.
   1st Part, 8vo, pp. 48, plates 8. Mainz, 1864.
   2nd Part, 8vo, pp. 100, plates 16. Mainz, 1865.

HEMSBACH (HEINRICK MECKEL VON).

1. Mikrogeologie, ueber die concremente im Thierischen organismus. (Edited by Dr. Theodore Billroth.)
   8vo, pp. 275. (8vo Tracts, vol. vi.) Berlin, 1856.

HENDRY (WILLIAM).

1. On Amphipleura pellucida.
   8vo, pp. 2. (Papers on Diatomaceæ, vol. v.)
   London, 1860.
2. On Hyalodiscus subtilis (syn. Craspedodiscus Franklini).
   8vo, pp. 5, woodcut 1. (Papers on Diatomaceæ, vol. v.)
   London, 1861.
3. On Navicula rhomboides.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. v.)
   London, 1861.
4. On Amphipleura pellucida.
   8vo, pp. 3. (Papers on Diatomaceæ, vol. v.)
   London, 1861.
5. On the Hull Pleurosigma fasciola.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. v.)
   London, 1862.

HENFREY (ARTHUR).

1. On some points in the Structure and Growth of Monocotyledons.
   8vo, pp. 8, plates 2. (Papers on Diatomaceæ, vol. i.)
   London, 1848.
2. On the Development of the Ovule of Santalum album, with some remarks on the Impregnation of Plants in general.
   4to, pp. 11, plates 2. (Linnean Trans., vol. xxii.)
   London, 1859.

HENFREY (ARTHUR)—*continued.*

3. On Chlorosphæra, a new Genus of uni-cellular Fresh-water Algæ.
   8vo., pp. 6, plate 1. (Papers on Diatomaceæ, vol. iv.) London, 1859.

HERSCHELL (JOHN F. W.).

1. A Manual of Scientific Enquiry, prepared for the use of Her Majesty's Navy, and adapted for Travellers in general.
   1st edit., 8vo, pp. 488. London, 1849.
   2nd edit., 8vo, pp. 429, woodcuts. London, 1859.

HEURCK (HENRI VAN).

1. Le Microscope, sa construction, son maniement, et son application aux études d'anatomie végétale.
   8vo, pp. 104, woodcuts 36. Paris, 1865.

HICKS (J. BRAXTON).

1. On a new Structure in the Antennæ of Insects.
   4to, pp. 8, plates 2. (Linnean Trans., vol. xxii.) London, 1859.
2. Further remarks on the Organs of the Antennæ of Insects, described in a Paper published in the Trans. Lin. Soc., vol. xxii, p. 155.
   4to, pp. 17, plate 1. (Linnean Trans., vol. xxii.) London, 1859.
3. Further remarks on the organs found at the bases of the Halteres, and Wings of Insects.
   4to, pp. 5, plates 2. (Linnean Trans., vol. xxii.) London, 1859.
4. Observations on the Gonidia and Confervoid filaments of Mosses, and on the relation of their Gonidia to those of Lichens, and of certain Fresh-water Algæ.
   4to, pp. 22, plates 2. (Linnean Trans., vol. xxiii.) London, 1862.
5. On the Nerve proceeding to the Vesicles at the base of the Halteres, and on the sub-costal nervure in the Wings of Insects.
   4to, pp. 3, woodcuts. (Linnean Trans., vol. xxiii.) London, 1862.
6. On certain Sensory Organs in Insects hitherto undescribed.
   4to, pp. 11, plates 2. (Linnean Trans., vol. xxiii.) London, 1862.

HIGHLEY (SAMUEL).

1. On a Microscopic Camera.
   8vo, pp. 2. (Papers on Diatomaceæ, vol. iii.) London, 1853.

HILL (JOHN).

1. Essays in Natural History and Philosophy, containing a series of discoveries by the assistance of Microscopes.
   8vo, pp. 415. London, 1752.
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   4to, pp. 214, plates 21. London, 1759.
3. The construction of Timber from its early growth, explained by the Microscope, and proved by experiments in a great variety of kinds.
   8vo, pp. 180, plates 43. London, 1770.
4. The construction of Timber from its early growth, explained by the Microscope, and proved from experiments in a great variety of kinds.
   2nd edit., fol., pp. 62, plates 44. London, 1774.

HILL (RICHARD).

1. Insect Vision, and Insect Sleep.
   8vo, pp. 10. (8vo Tracts, vol. v.) London, 1862.

HOEFLE (MARK-AUREL).

1. Chemie und Mikroskop am Krankenbette.
   8vo, pp. 683, plates 3. Erlangen, 1848.

HOFMEISTER (WILHELM).

1. Neue Beiträge zur Kenntniss der Embryobildung der Phanerogamen.
   8vo, pp. 138, plates 27. Leipzig, 1859.
2. On the Germination, Development, and Fructification of the Higher Cryptogamia, and on the Fructification of the Coniferæ. Translated by F. Currey.
   8vo, pp. 506, plates 65. (Ray Society.) London, 1862.

HOGG (JABEZ).

The Microscope, its History, Construction, and Applications:

1. 2nd edit., 8vo, pp. 457, plates 16, and woodcuts. London, 1856.
2. 4th edit., 8vo, pp. 621, plate 1, and woodcuts. London, 1859.
3. 5th edit., 8vo, pp. 621, plate 1, and woodcuts. London, 1861.

HOME (SIR EVERARD).

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   4to, pp. 22, plates 7. (Phil. Trans.) London, 1821.

HOOKE (ROBERT).

1. Micrographia, or some physiological descriptions of minute bodies made by Magnifying Glasses, with observations and enquiries thereupon.
   fol., pp. 246, plates 38. London, 1665.
2. The Posthumous Works of Robert Hooke, M.D.
   fol., pp. 572, plates 13. London, 1705.
3. Micrographia restaurata, or the Copper-Plates of Dr. Hooke's wonderful discoveries by the Microscope, reprinted and fully explained.
   fol., pp. 65, plates 33. London, 1745.
4. Microscopic Observations, or Dr. Hooke's wonderful discoveries by the Microscope.
   fol., pp. 65, plates 33. London, 1780.

HOOKER (WILLIAM JACKSON) and BERKELEY (M. J.).

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   3 vols., 8vo, pp. 448, 432, 401, plates 4. London, 1833—1838.

HOOKER (WILLIAM JACKSON).

1. British Jungermanniæ, being a History and Description, with coloured figures of each Species of the Genus, and Microscopical Analyses of the parts.
   4to, plates 88. London, 1816.

HOOKER (JOSEPH DALTON).

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   2 vols. 8vo, pp. 408, 487, plates 5, 7, woodcuts 45, 35. London, 1854.
2. On the Structure and Affinities of the Balanophoræ.
   4to, pp. 68, plates 16. (Linnean Trans., vol. xxii.) London, 1859.

HOOPER (R.).

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   8vo, pp. 64, plates 5. London, 1799.

HORNER (WILLIAM E.).

1. Special Anatomy and Histology.
   8th edit., 2 vols. 8vo, pp. 510, 500, woodcuts 154, 166. Philadelphia, 1851.

HUNT (THOMAS).

1. A Guide to the Treatment of Diseases of the Skin, with suggestions for their Prevention.
   5th edit., 8vo, pp. 256. London, 1861.

HUXLEY (THOMAS HENRY).

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   4to, pp. 22, plates 3. (4to Tracts, vol. ii.) London, 1849.
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   8vo, pp. 10, plate 1. London, 1851.
3. On the Agamic reproduction, and Morphology of Aphis.
   Part I., 4to, pp. 44, plates 5. (Linnean Trans., vol. xxii.) London, 1859.
4. The Oceanic Hydrozoa; a description of the Calycophoridæ and Physophoridæ observed during the voyage of H.M.S. "Rattlesnake," in the years 1846—1850.
   fol., pp. 143, plates 12. (Ray Society.) London, 1859.
5. On the Anatomy and Development of Pyrosoma.
   4to, pp. 58, plates 2. (Linnean Trans., vol. xxiii.) London, 1862.
6. Lectures on the Elements of Comparative Anatomy. On the Classification of Animals and the Vertebrate Skull.
   8vo, pp. 303, woodcuts 111. London, 1864.

I.

INTELLECTUAL OBSERVER (THE).

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   6 vols., pp. 491, 480, 476, 476, 474, 474, plates 12, 12, 12, 12, 12, 12, woodcuts 42, 37, 31, 21, 22, 25. London, 1862—1865.

J.

JACKSON (GEORGE).

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   8vo, pp. 7, woodcuts, 2. London, 1847.

JEFFREYS (J. GWYN).

1. Notes on British Foraminifera.
   8vo, pp. 4. (Proc. Royal Society, vol. vii.) London, 1856.

JENNER (EDWARD).

1. A Flora of Tunbridge Wells.
   8vo, pp. 134. Tunbridge Wells, N.D.

JOBLOT (L.).

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   4to, pp. 174, plates 34. Paris, 1718.
2. Observations d'Histoire Naturelle, faites avec le Microscope, sur un grande nombre d'Insectes, et sur les Animalcules qui se trouvent dans les liqueurs préparées, et dans celles qui ne le sont pas, &c.
   4to, pp. 267, plates 53. Paris, 1754.

JOHNSTON (CHRISTOPHER).

1. Descriptions of Diatomaceæ, chiefly of those found in Elide (Lower Californian) Guano.
   8vo, pp. 11, plate 1. (Papers on Diatomaceæ, vol. iv.) London, 1859.

JOHNSTON (GEORGE).

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   8vo, pp. 264, plates 25. Edinburgh, 1842.
2. A History of the British Zoophytes.
   2nd edit., 2 vols. 8vo, pp. 488, plates 74. London, 1847.
3. An Introduction to Conchology; or, Elements of the Natural History of Molluscous Animals.
   8vo, pp. 614, woodcuts 102. London, 1850.

JOHNSTON (JAMES F. W.).

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   London, 1859.

JONES (T. RUPERT) and PARKER (W. K.).

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JONES (THOMAS RUPERT).

1. A Monograph of the Entomostraca of the Cretaceous Formation of England.
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   London, 1849.
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   8vo, pp. 12, plate 1. (Papers on Diatomaceæ, vol. ii.)
   London, 1855.
3. A Monograph of the Tertiary Entomostraca of England.
   4to, pp. 68, plates 6. (Palæontographical Society.)
   London, 1856.
4. A Monograph of the Fossil Estheriæ.
   4to, pp. 134, plates 5. (Palæontographical Society.)
   London, 1862.

JONES (THOMAS RYMER).

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   2 vols. 8vo, pp. 362, 395, woodcuts 105, 104.
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JONES (THOMAS RYMER)—*continued.*

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JONES (T. WHARTON).

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   4to, pp. 3. (Phil. Trans.) London, 1848.

JOURNAL (THE LONDON PHYSIOLOGICAL). Edited by E. J. Quekett.

8vo, pp. 160, plates 8. London, 1843—1844.

JOURNAL (QUARTERLY), OF MICROSCOPICAL SCIENCE, with Transactions of the Microscopical Society of London. Edited by Edwin Lankester and George Busk.

1. 1st Series, 8 vols., 8vo. London, 1853—1860.
2. 2nd Series, 4 vols., 8vo. London, 1861—1864.

JOYCE (J.).

1. Scientific Dialogues.
   small 8vo, 7 vols., plates. London, 1807.
2. Dialogues on the Microscope; intended for the Instruction and Entertainment of Young Persons.
   2 vols., 12mo, pp. 232, 235, plates 7, 3.
   London, 1812.

JUSSIEU (ADRIEN DE).

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   5th edit., 8vo, pp. 559, woodcuts 688. Paris, 1852.

K.

KALTENBRUNNER (GEORGE).

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   4to, pp. 128, plates 9. Stuttgard, 1826.

KELLNER (CARL.).

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   8vo, pp. 64. (8vo Tracts, vol. vii.) Brunswick, 1849.

KESTNER (H.).

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   8vo, pp. 90, plates 2. Paris, 1864.

KINAHAN (PROF.)

1. On the Genera Philoscia, (Lat.); Itea (Koch); Philougria (Kinahan); comprising descriptions of New British Species.
   8vo, pp. 7, plate 1. (Papers on Diatomaceæ, vol. iv.) Dublin, 1858.

KINGSLEY (CHARLES).

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KIRBY (WILLIAM) and SPENCE (WILLIAM).

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   4th edit., 8vo, 4 vols., pp. 518, 529, 732, 602, plates 30. London, 1817—1826.

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KNAPP (J. L.).

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   4to, pp. 2, plate 1. (Linnean Trans., vol. xxii.) London, 1859.
2. Contributions to the Lichenographia of New Zealand; being an Account, with some Figures, of some New Species of Graphideæ and Allied Lichens.
   4to, pp. 6, plate 1. (Linnean Trans., vol. xxiii.) London, 1862.

KÖLLIKER (A.).

1. Elements d'Histologie Humaine, Traduction par MM. J. Béclard et M. Sée.
   8vo, pp. 724, woodcuts 334. Paris, 1856.
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   8vo, pp. 633, woodcuts 249. London, 1860.
3. Icones Histologicæ, oder atlas der Vergleichenden gewebelehre.
   Erste abild., 4to, pp. 84, plates 9. Leipzig, 1864.

KOSTLIN (OTTO).

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   8vo, pp. 304. Stuttgart, 1840.

KÜCHENMEISTER (FREDERICH).

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LANGENBECH (C. J. M.).

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2. 1st edit., 8vo, pp. 84, plates 8. London, 1858.
3. 2nd edit., 8vo, pp. 92, plates 8. London, 1860.

LARDNER (DIONYSIUS).

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   8vo, pp. 223, woodcuts 147. London, 1856.

LATREILLE (P. A.).

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2. Remarks on the Marine Diatomaceæ found at Hong Kong, with descriptions of New Species; with Notes by John Ralfs.
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   Nuremberg, 1764—1768.
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   4to, pp. 429, plates. Lugdini Batavorum, 1719.
10. The Select Works of; containing his Microscopical Discoveries. Translated by Samuel Hoole.
   2 vols. in 1, 4to, pp. 314, 344, plates 20.
   London, 1816.

LEIDY (JOSEPH).

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   4to, pp. 67, plates 10. New York, 1851.

LEIGHTON (W. A.).

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   8vo, pp. 101, plates 30. (Ray Society.)
   London, 1851.
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   8vo, pp. 25, plate 1. (8vo Tracts, vol. iv.)
   London, 1856.

LEREBOURS (N.P.).

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   London, 1855.
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   8vo, pp. 766, woodcuts 268.
   Leipzig und Heidelberg, 1863.

LEWES (GEORGE HENRY).

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2. Sea-side Studies at Ilfracombe, Tenby, the Scilly Isles and Jersey.
   8vo, pp. 414, plates 4. London, 1858.
3. Studies in Animal Life.
   8vo, pp. 196, plate 1, and woodcuts. London, 1862.

LEWIS (F. W.).

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   8vo, pp. 14, plates 2. (Papers on Diatomaceæ, vol. vi.)
   Philadelphia, 1861.
2. Notes on new and rarer Species of Diatomaceæ, of the United States Sea-board.
   8vo, pp. 7. (Papers on Diatomaceæ, vol. v.)
   London, 1862.
3. On some new and singular Intermediate Forms of Diatomaceæ.
   8vo, pp. 12, plate 1. (Papers on Diatomaceæ, vol. vi.)
   Philadelphia, 1863.
4. On extreme and exceptional Variation of Diatoms in some White Mountain Localities, &c.
   8vo, pp. 16, plate 1. (Papers on Diatomaceæ, vol. vi.)
   Philadelphia, 1865.

LEYDIG (FRANZ).

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   8vo, pp. 127, plates 4. Leipzig, 1852.
2. Lehrbuck der Histologie des Menschen, und der Thiere.
   8vo, pp. 551, woodcuts 271. Hamm, 1857.

LIEBERKUHN (N.).

1. Contributions to the Anatomy of the Infusoria.
   8vo, pp. 12. (8vo Tracts, vol. iv.) London, 1856.

LINDSAY (W. LAUDOR).

1. A Popular History of British Lichens.
   roy. 16mo, pp. 352, plates 22. London, 1856.

LINK (H. F.).

Annual Reports on Researches in Physiological Botany. Translated by A. Henfrey.

1. 1842—3. 8vo, pp. 167, plates 7. (Ray Society.) London, 1848.
2. 1844—5. 8vo, pp. 123. (Ray Society.) London, 1849.

LISTER (MARTIN).

1. Exercitatio Anatomica, in qua de Cochleis, Maxime Terrestribus et Limacibus, agitur.
   8vo, pp. 208, plates 8. London, 1694.

LOBARZEWSKI (HYACINTH).

1. Einige neue Diatomaceen Agardh et Auct. der Ostküste des Adriatischen Meeres.
   8vo, pp. 13, plates 3. (Linnæa.) Halle, 1840.
2. Ueber eine Wahre Saftströmung in Closterium lunula, Nitzsch.
   8vo, pp. 7, plate 1. (Linnæa.) Halle, 1840.

LOBB (ELLIS G.).

1. On the Self-division of Micrasterias denticulata.
   8vo, pp. 2, plate 1. (8vo Tracts, vol. iv.) London, 1861.

LORENT (J. A.).

1. De Animalculis Infusoriis.
   4to, pp. 40. Mannhemiis, 1837.

LUBBOCK (JOHN).

1. An Account of Two Methods of Reproduction in Daphnia, and of the Structure of the "Ephippium."
   8vo, pp. 3. (Proc. Royal Society, vol. viii.) London, 1857.
2. On the Arrangement of the Cutaneous Muscles of the Larva of Pygæra bucephala.
   4to, pp. 19, plates 2. (Linnean Trans., vol. xxii.) London, 1859.

Notes on the Thysanura. (Part I. Smynthuridæ.)

3. Part I. 4to, pp. 20, plates 2. (Linnean Trans., vol. xxiii.) London, 1862.
4. Part II. 4to, pp. 13, plate 1. (Linnean Trans., vol. xxiii.) London, 1862.

LUBBOCK (JOHN)—*continued.*

5. On some Oceanic Entomostraca, collected by Captain Toynbee.
   4to, pp. 18, plate 1. (Linnean Trans., vol. xxiii.)
   London, 1862.
6. On the Distribution of Tracheæ in Insects.
   4to, pp. 28, plates 4. (Linnean Trans., vol. xxiii.)
   London, 1862.

LYNGBYE (HANS CHRISTIAN).

Tentamen Hydrophytologiæ Danicæ.

1. 4to, pp. 248, plates 70, coloured. Hafniæ, 1819.
2. 4to, pp. 248, plates 70, plain. Hafniæ, 1819.

LYONNET (PIERRE).

1. Traité Anatomique de la Chenille, qui ronge le Bois de Saule.
   4to, pp. 616, plates 18. La Haye, 1762.
2. Recherches sur l'Anatomie, et les Metamorphoses de différentes espèces d'Insectes. Ouvrage posthume de P. Lyonnet. Publié par W. de Haan.
   4to, pp. 580, plates 54. Paris, 1832.

M.

MACDONALD (JOHN D.)

1. On the Anatomical Characters of three Australian Species of Tunicata, referable to Savigny's Sub-genus Cæsira.
   4to, pp. 5, plate 1. (Linnean Trans., vol. xxii.)
   London, 1859.
2. On the Anatomical Characters of a remarkable form of Compound Tunicata.
   4to, pp. 4, plate 1. (Linnean Trans., vol. xxii.)
   London, 1859.
3. On the Anatomical Characters of an Australian Species of Perophora.
   4to, pp. 2, plate 1. (Linnean Trans., vol. xxii.)
   London, 1859.
4. On the External Anatomy and Natural History of the Genus Annelida named Palolo by the Samoens and Tonguese, and Mbalolo by the Fijians.
   4to, pp. 3, plate 1. (Linnean Trans., vol. xxii.)
   London, 1859.

MACDONALD (JOHN D.)—*continued.*

5. On the Anatomy of Eurybia Gaudichaudi, as bearing upon its position amongst the Pteropoda.
   4to, pp. 5, plate 1. (Linnean Trans., vol. xxii.) London, 1859.
6. On the Physiology of the Pallial Sinuses of the Brachiopoda.
   4to, pp. 3, plate 1. (Linnean Trans., vol. xxiii.) London, 1862.
7. On the Circulation of Blood in Pegea, as bearing on the question of a lining to the vascular system in the Tunicata in general.
   4to, pp. 2, plate 1. (Linnean Trans., vol. xxiii.) London, 1862.

MALPIGHI (MARCELLUS).

1. Opera omnia.
   fol. pp. 408, plates 118. Londini, 1686.

MANDL (L.).

1. Traité pratique du Microscope, et de son emploi dans l'étude des corps organisés; suivi de Recherches sur l'organisation des Animaux Infusoires, par M. Ehrenberg.
   8vo, pp. 486, plates 14. Paris, 1839.

MANTELL (GIDEON ALGERNON).

1. The Medals of Creation; or, First Lessons in Geology and in the Study of Organic Remains.
   2 vols., 8vo, pp. 1016, plates 6, woodcuts 167. London, 1844.
2. The Wonders of Geology; or, a Familiar Exposition of Geological Phenomena.
   6th edit., 2 vols., 8vo, pp. 938, plates 6, woodcuts 198. London, 1848.
3. The Invisible World Revealed by the Microscope; or, Thoughts on Animalcules.
   8vo, pp. 144, plates 12. London, 1850.

MARSHALL (WILLIAM).

1. The New Water-weed Anacharis alsinastrum; some account of it.
   8vo, pp. 16. London, 1852.

MARTIN (BENJAMIN).

1. The Description and Use of a New-Invented Pocket Reflecting Microscope, with a Micrometer.
   8vo, pp. 29, plates 2. Chichester, 1738.

MARTIN (BENJAMIN)—*continued.*

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   8vo, pp. 295, plates 34. London, 1740.
3. Micrographia Nova; or, a New Treatise on the Microscope and Microscopic Objects.
   4to, pp. 62, plates 2. Reading, 1742.
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   2 vols., 8vo, pp. 410, 412, plates 32, 17.
   London, 1755—1763.
5. Biographia Philosophica, being an Account of the Lives, Writings, and Inventions of the most Eminent Philosophers and Mathematicians who have flourished from the earliest ages of the world to the present time.
   8vo, pp. 565. London, 1764.

MARTINS (CH.)

1. Du Microscope, et de son application à l'étude des Etres organisés, et en particulier à celle de l'Utricule végétale, et des Globules du Sang.
   4to, pp. 42. Paris, 1839.

MENEGHINI (G.).

1. On the Animal Nature of the Diatomeæ, with an Organographical Revision of the Genera established by Kützing. Translated by Christopher Johnson.
   8vo, pp. 171. (Ray Society.) London, 1853.

MENEGHINI (J.).

1. Synopsis Desmidearum hucusque cognitarum.
   8vo, pp. 40. (Linnæa.) Halle, 1840.

MICROSCOPICAL SOCIETY OF LONDON.

1. Constitution and Laws, with Lists of Members, Catalogue of Library, and Anniversary Reports and Addresses.
   1 vol., 8vo. London, 1843—1852. and 1860—1862.
2. Transactions of the Microscopical Society of London.
   1st Series, 3 vols., roy. 8vo, pp. 166, 180, 170, plates 20, 27, 22. London, 1844—1852.
   2nd Series, 13 vols., 8vo. (Published with the Microscopical Journal.) London, 1853—1865.

MIERS (JOHN).

1. On several Instances of the Anomalous Development of the Raphe of Seeds.
   4to, pp. 16, plate 1. (Linnean Trans., vol. xxii.) London, 1859.
2. Remarks on the Nature of the outer fleshy covering of the Seed in the Clusiaceæ, Magnoliaceæ, &c., and in the Development of the Raphe in general, under its various circumstances.
   4to, pp. 15, plate 1. (Linnean Trans., vol. xxii.) London, 1859.

MILNE-EDWARDS (H.) and HAIME (JULES).

1. Recherches sur la Structure et la Classification des Polypiers, récent et fossiles.
   8vo, pp. 567, plates 12. Paris, 1848—1849.
2. A Monograph of the British Fossil Corals.
   4to, pp. 322, plates 72. (Palæontographical Society.) London, 1850—1854.

MILNE-EDWARDS (H.).

1. Elémens de Zoologie; ou, Leçons sur l'Anatomie, la Physiologie, la Classification et les Mœurs des Animaux.
   8vo, pp. 1066, woodcuts 504. Paris, 1834.
2. Histoire Naturelle des Crustacés, comprenant l'Anatomie, la Physiologie et la Classification de ces Animaux.
   3 vols., 8vo, pp. 468, 531, 670, plates 42. Paris, 1834—1840.
   W. Yarrell's copy, with Notes and Illustrations by him.
3. Observations sur les Polypiers fossiles du genre Eschare.
   8vo, pp. 32, plates 5. (8vo Tracts, vol. vi.) Paris, 1836.
4. Observations sur les Ascidies composées des côtes de la Manche.
   4to, pp. 110, plates 8. Paris, 1839.
5. Cours élémentaire d'Histoire Naturelle. Zoologie.
   6th edit., 8vo, pp. 576, woodcuts 466. Paris, 1852.
6. Leçons sur la Physiologie, et l'Anatomie Comparée de l'Homme et des Animaux.
   8 vols., 8vo. Paris, 1857—1865.

MOHL (HUGO VON).

1. Researches on the Latex and its Movements.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. i.) London, 1843.

MOHL (HUGO VON)—*continued.*

2. Mikrographie, oder anleitung zur Kenntniss und zum gebrauche des Mikroskops.
   8vo, pp. 351, plates 6. Tubingen, 1846.
3. On the Structure of the Palm Stem. Translated by A. Henfrey.
   8vo, pp. 92, plate 1. (Ray Society.) London, 1849.
4. Principles of the Anatomy and Physiology of the Vegetable Cell. Translated by A. Henfrey.
   8vo, pp. 158, plate 1, and woodcuts. London, 1852.

MOLYNEUX (WILLIAM).

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   2nd edit., 4to, pp. 301, plates 43. London, 1709.

MONTAGNE (J. F. CAMMILLE).

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   8vo, pp. 498. Paris, 1856.

MOORE (THOMAS).

1. A Popular History of British Ferns and the allied plants, comprising the Club Mosses, Pepperworts, and Horsetails.
   roy. 16mo, pp. 354, plates 20. London, 1851.

MORREN (AUGUSTE and CHARLES).

1. Recherches sur la Rubéfaction des Eaux, et leur Oxygénation par les Animalcules et les Algues.
   4to, pp. 130, plates 7. (4to Tracts, vol. iii.)
   Bruxelles, 1841.

MORRIS (JOHN).

A Catalogue of British Fossils, comprising the Genera and Species hitherto described.

1. 1st edit., 8vo, pp. 222. London, 1843.
2. 2nd edit., 8vo, pp. 372. London, 1854.

MOSER (A.).

1. Anleitung zum Gebrauche des Mikroskops, für Aertze, Naturforscher, und Freunde der Natur.
   8vo, pp. 163, plate 1. Berlin, 1839.

MOUFFET (THOMAS).

1. Insectorum sive Minimorum Animalium Theatrum, olim ab Ed. Wottono, Conr. Gesnero, Th. Pennio, inchoatum.
   fol., pp. 326, woodcuts. Londini, 1634.
2. The Theater of Insects; or Lesser living creatures, as Bees, Flies, Caterpillars, Spiders, Worms, &c. Printed with Topsel's History of Four-footed Beasts and Serpents.
   fol., pp. 1130, woodcuts. London, 1658.

MÜLLER (JOHANNES).

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   2 vols., 8vo, pp. 1799, plates 4, and woodcuts. London, 1842.
   Supplement, 8vo, pp. 132, woodcuts. London, 1848.
2. Ueber die Thalassicollen, Polycystinen, und Acanthometren des Mittelmeeres.
   4to, pp. 62, plates 11. (4to Tracts, vol. ii.) Berlin, 1858.
3. Upon the Development of Mollusks in Holothuriæ.
   8vo, pp. 18. (Papers on Diatomaceæ, &c., vol. i.) London, 1852.

MÜLLER (KARL).

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   8vo, pp. 7, plate 1. (Papers on Diatomaceæ, vol. i.) London, 1843.

MÜLLER (OTHO FRIDERICUS).

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   4to, pp. 349. Hanniæ et Lipsiæ, 1773.
2. Hydrachnæ, quas in Aquis Daniæ palustribus detexit, descripsit.
   4to, pp. 78, plates 11. Lipsiæ, 1781.
3. Animalcula Infusoria Fluviatilia et Marina, quæ detexit, systematice descripsit, et ad vivum delineari curavit.
   4to, pp. 367, plates 50. Hanniæ, 1786.

MÜLLER (WILHELM).

1. Ueber den feineren Bau der Milz.
   4to, pp. 115, plates 6. Leipzig und Heidelberg, 1865.

N.

NÄGELI (CARL) und SCHWENDENER (S.).

1. Das Mikroskop, Theorie und anwendung desselben.
   Erster theil, 8vo, pp. 252, woodcuts. Leipzig, 1865.

NÄGELI (CARL).

On the Nuclei, Formation, and Growth of Vegetable Cells. Translated by A. Henfrey.

1. Part I. 8vo, pp. 80, plates 2. (Ray Society.)
   London, 1846.
2. Part II. 8vo, pp. 65, plates 2. (Ray Society.)
   London, 1849.
3. On the Utricular Structures in the contents of Cells. Translated by A. Henfrey.
   8vo, pp. 32, plate 1. (Ray Society.) London, 1849.
4. Beiträge zur Wissenschaftlichen Botanik.
   8vo, pp. 156, plates 19. Leipzig, 1858.

NASMYTH (A.)

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   8vo, pp. 25, plates 8. (8vo Tracts, vol. vi.)
   London, 1839.

NATURAL HISTORY REVIEW (THE).

1. A Quarterly Journal of Biological Science.
   5 vols., 8vo, pp. 530, 490, 631, 645, plates 7, 11, 3.
   London, 1861—1865.

NEEDHAM (TURBERVILLE).

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   8vo, pp. 126, plates 6. London, 1745.
2. Nouvelles Observations Microscopiques, avec des Découvertes intéressantes sur la composition et la décomposition des Corps organisés.
   8vo, pp. 524, plates 8. Paris, 1750.

NEILL (Dr.).

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   8vo, pp. 10, plate 1. (8vo Tracts, vol. vi.)
   Philadelphia, 1850.

NEWMAN (EDWARD).

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   8vo, pp. 343, woodcuts. London, 1854.
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   8vo, pp. 32. (8vo Tracts, vol. iv.) London, 1857.

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3. On the Respiration of Insects.
   4to, pp. 38, plates 2. (4to Tracts, vol. ii.)
   London, 1836.

NITZSCH (CHRISTIAN LUDWIG).

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   8vo, pp. 128, plates 6. Halle, 1817.

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   London, 1857.
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   8vo, pp. 23. (Papers on Diatomaceæ, vol. v.)
   London, 1860.
3. On some undescribed Species of Diatomaceæ.
   8vo, pp. 5, plate 1. (Papers on Diatomaceæ, vol. v.)
   London, 1860.

NORMAN (GEORGE).—*continued.*

4. List of Diatomaceæ, occurring in the neighbourhood of Hull. 2nd edit.. 8vo, pp. 32. Hull, 1865.
5. Hunting for Diatoms. 8vo, pp. 10. (Papers on Diatomaceæ, vol. v.) London, 1862.

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NOWELL (B. J.).

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NYLANDER (WILLIAM).

1. Diatomaceis Fenniæ Fossilibus. 8vo, pp. 13. (Papers on Diatomaceæ, vol. vi.) Helsingfors, 1861.

O.

OKEDEN (FITZMAURICE).

1. On the Diatomaceæ of South Wales. 8vo, pp. 8. (Papers on Diatomaceæ, vol. iv.) London, 1858.

OKEN (LORENZ).

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OLIVER (DANIEL, Junior).

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O'Meara (Eugene).

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   London, 1859.

Orr's Circle of the Sciences. By Prof. Owen, R. G. Latham, Edward Smith, W. S. Dallas, and the Editor.

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   London, 1854—1855.

Owen (Richard).

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   4to, pp. 10, plate 1. (Zool. Trans., vol. i.) London, 1835.
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   2 vols., 8vo, pp. 655, 37, plates 150.
   London, 1840—1845.
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   London, 1843—1846.
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   2nd edit., 8vo, pp. 689, woodcuts 235. London, 1855.

P.

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   8vo, pp. 29. (8vo Tracts, vol. iv.) Firenze, 1854.

PAGENSTECHER (H. ALEXANDER).

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PARKER (W. K.) and JONES (T. RUPERT).

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   8vo, pp. 124. London, 1859—1861.

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PAYER (J.).

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   8vo, pp. 222, woodcuts 1105. Paris, 1850.

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fol., pp. 146, plates 170. Paris, 1705.

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Small 4to, pp. 192, woodcuts. London, 1664.

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2nd edit., 8vo, pp. 439, plates 12. London, 1845.
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12mo, pp. 210, plate 1, and woodcuts. London, 1847.
6. A History of Infusorial Animalcules Living and Fossil.
3rd edit., 8vo, pp. 704, plates 24. London, 1852.
7. A History of Infusoria, including the Desmidiaceæ and Diatomaceæ, British and Foreign. Enlarged and revised by J. T. Arlidge, W. Archer, J. Ralfs, W. C. Williamson, and the Author.
4th edit., 8vo, pp. 968, plates 40. London, 1861.

Q.

QUAIN (JONES).

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   2 vols., 8vo, pp. 1363, woodcuts 343. London, 1848.

QUATREFAGES (A. DE).

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   2 vols., 8vo, pp. 355, 375. London, 1857.
3. Metamorphoses of Man and the Lower Animals. Translated by Henry Lawson.
   8vo, pp. 284. London, 1864.

QUEKETT (JOHN).

A Practical Treatise on the Use of the Microscope.

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   London, 1848.
2. 2nd edit., 8vo, pp. 515, plates 12, woodcuts 270.
   London, 1852.
3. Practisches Handbuch der Mikroskopie. Translated into German by Carl Hartmann.
   8vo, pp. 688. Weimar, 1850.
4. Lectures on Histology, delivered at the Royal College of Surgeons of England.
   2 vols., 8vo, pp. 215, 413, woodcuts 159, 264.
   London, 1852—1854.
5. On the Minute Structure of a peculiar combustible Mineral from the Coal-measures of Torbane Hill, near Bathgate, Linlithgowshire.
   8vo, pp. 36, plates 3. (8vo Tracts, vol. iv.)
   London, 1854.

R.

RABENHORST (LUDOVICO).

1. Die Süsswasser-Diatomaceen (Bacillarien).
   4to, pp. 72, plates 10. Leipzig, 1853.
2. Kryptogamen-Flora von Sachsen, der Ober-Lausits, Thüringen, und Nordböhmen.
   8vo, pp. 653, woodcuts. Leipzig, 1863.
3. Beiträge zur näheren kenntniss und verbreitung der Algen.
   Heft 1, 4to, pp. 30, plates 7. Leipzig, 1863.
   Heft 2, 4to, pp. 40, plates 5. Leipzig, 1865.
4. Flora Europæa algarum, aquæ dulcis et submarinæ.
   Sectio 1, Algas Diatomaceæ complectens.
   8vo, pp. 359, woodcuts. Leipzig, 1864.
5. Sectio 2, Algas Phycochromaceas complectens.
   8vo, pp. 319, woodcuts. Leipzig, 1865.

RAINEY (GEORGE).

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   8vo, pp. 47, plates 2. London, 1847.
2. Report on the Microscopical examination of certain atmospheres during the Epidemic of Cholera.
   8vo, pp. 4. (Report on Cholera, Board of Health.) London, 1855.
3. On the Structure and Development of the Cysticercus Cellulosæ, as found in the Pig.
   8vo, pp. 8. (Proc. Roy. Soc., vol. vii.) London, 1856.
4. On the mode of Formation of Shells of Animals, of Bone, and of several other Structures, by a Process of Molecular Coalescence, demonstrable in certain artificially-formed products.
   8vo, pp. 152, woodcuts. London, 1858.
5. On the Structure and Mode of Formation of the Dental Tissues, according to the principle of "Molecular Coalescence."
   8vo, pp. 14, plate 1. (8vo Tracts, vol. iv.) London, 1859.

RALFS (JOHN).

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   8vo, pp. 5, plate 1. (Papers on Diatomaceæ, vol. i.)
   London, 1843.
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   8vo, pp. 11, plates 2. (Papers on Diatomaceæ, vol. i.)
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   London, 1843.
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   8vo, pp. 11, plate 1. (Papers on Diatomaceæ, vol. i.)
   London, 1843.
7. On the British Species of Grammonema and Eunotia.
   8vo, pp. 5, plate 1. (Papers on Diatomaceæ, vol. i.)
   London, 1843.
8. On the British Species of Achnanthes.
   8vo, pp. 5, plate 1. (Papers on Diatomaceæ, vol. i.)
   London, 1844.
9. The British Desmidieæ.
   8vo, pp. 226, plates 35. London, 1848.
10. On the Nostochineæ.
    8vo, pp. 23, plates 2. (Papers on Diatomaceæ, vol. i.)
    London, 1850.
11. Remarks on Dickieia.
    8vo, pp. 2, plate 1. (Papers on Diatomaceæ, vol. i.)
    London, 1851.

RASPAIL (EUG).

1. Essai de Chimie Microscopique appliquée à la Physiologie et Expériences Chimiques et Physiologiques.
   8vo, pp. 1— 114, and 1— 34, plates 5. Paris, 1830.

REDI (FRANCESCO).

1. Esperienze intorno alla Generazione degl'Insetti.
   4to, pp. 228, plates 32. Firenze, 1668.
2. Experimenta circa generationem Insectorum.
   12mo, pp. 230, plates 37. Amstelodami, 1671.

REDI (FRANCESCO)—*continued.*

3. Opusculorum; Pars prior, sive experimenta circa generationem Insectorum. Tomus alter, Experimenta circa varias res naturales, &c.
2 vols. in 1, 12mo, pp. 256, 312, plates 45, 11.
Amstelodami, 1686.

REINICKE (FRIEDRICH).

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8vo, pp. 216, plate 1. Dresden, 1858.

REINHARD (HERRMANN).

1. Das Mikroskop, und sein Gebrauch Für den Arzt.
Zweite Auflage, 8vo, pp. 202, woodcuts 54.
Leipzig and Heidelberg, 1864.

REPORT OF THE JURY of the International Exhibition of 1862.

1. Astronomical, Mathematical, Optical Instruments, &c., by Charles Brooke. Electrical Instruments, by Fleeming Jenkin.
Roy. 8vo, pp. 101. London, 1863.

REUSS (A. E.)

1. Die Fossilen Foraminiferen, Anthozoen und Bryozoen, von Oberburg in Steiermark.
4to, pp. 38, plates 10. Wien, 1864.

RICHARD (LOUIS-CLAUDE).

1. Observations on the Structure of Fruits and Seeds. Translated from the 'Analyse du Fruit,' by John Lindley (with autograph letter and portrait).
8vo, pp. 100, plates 6. London, 1819.

ROBIN (CHARLES).

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8vo, pp. 434, plates 4, and woodcuts 23.
Paris, 1849.
2. Histoire Naturelle des Vegetaux Parasites qui croissent sur l'Homme et sur les Animaux Vivants.
2 vols., 8vo, pp. 702, 24, plates 15. Paris, 1853.

ROBIN (CHARLES)—*continued.*

3. Mémoire sur les Objets qui peuvent être Conservés en préparations Microscopiques, transparentes et opaques.
   8vo, pp. 64. Paris, 1856.
4. Programme du Cours d'Histologie Professé a la Faculté de Médecine de Paris, pendant les Années, 1862-3 et 1863-4.
   8vo, pp. 280. Paris, 1864.

ROGET (PETER MARK).

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   2 vols., 8vo, pp. 593, 661, woodcuts 463.
   London, 1834.

ROPER (FREEMAN, C. S.).

1. Some Observations on the Diatomaceæ of the Thames.
   8vo, pp. 14, plates 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1854.
2. Notes on some new Species and Varieties of British Marine Diatomaceæ.
   8vo, pp. 8, plates 1. (Papers on Diatomaceæ, vol. iii.)
   London, 1858.
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   8vo, pp. 24, plates 2. (Papers on Diatomaceæ, vol. iv.)
   London, 1858.
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   8vo, pp. 2. (Papers on Diatomaceæ, vol. iv.)
   London, 1859.
5. On Triceratium Arcticum.
   8vo, pp. 5. (Papers on Diatomaceæ, vol. iv.)
   London, 1860.
6. On the Genus Licmophora (Agardh).
   8vo, pp. 10, woodcuts. (Papers on Diatomaceæ, vol. vi.)
   London, 1863.

ROYAL SOCIETY.

1. Memoirs of, by Mr. Baddam; with various Microscopical papers, by A. Van Leeuwenhoek.
   vol. iv, 8vo, pp. 513, plates 13. London, 1739.

RYLANDS (THOMAS G.).

1. On the Markings of Diatomaceæ.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. iv.)
   London, 1859.

S.

SAMUELSON (JAMES) and HICKS (J. BRAXTON).

1. Humble Creatures. Part I. The Earth-Worm and the Common Housefly.
   2nd edit., 8vo, pp. 79, plates 8. London, 1860.
2. The Honey Bee, its Natural History, Habits, Anatomy, and Microscopical beauties.
   8vo, pp. 166, plates 8. London, 1860.

SCHACHT (HERMANN).

1. Die Pflanzenzelle, der Innere bau und das leben der Gewächse.
   Roy. 8vo, pp. 472, plates 20. Berlin, 1852.
2. Die Prüfung der im Handel vorkommenden Gewebe, durch das Mikroskop, und durch chemische Reagentien.
   8vo, pp. 64, plates 8. (8vo Tracts, vol. v.)
   Berlin, 1853.
3. The Microscope in its special Application to Vegetable Anatomy and Physiology. Translated by Fred. Currey.
   8vo, pp. 131, plate 1, woodcuts 50. London, 1853.
4. Das Mikroskop, und seine Anwendung, insbesondere für Pflanzen-Anatomie.
   8vo, pp. 206, plates 5. Berlin, 1855.
5. Die Spermatozoiden im Pflanzenreich.
   8vo. pp. 54, plates 6. Braunschweig, 1864.
6. Le Microscope, et son application spéciale à l'étude de l'Anatomie végétale. Traduction par Jules Dalimier d'après la 3me édit. Allemande.
   8vo, pp. 270, plates 2, woodcuts, 110. Paris, 1865.

SCHÆFFER (JACOB CHRISTIAN).

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   4to, pp. 24, plate 1. Ratisbon, 1760.
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   edit. secunda, 4to, pp. 14, plate 1. Ratisbon, 1757.
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   4to, pp. 14. Ratisbon, 1758 ?

SCHÆFFER (JACOB CHRISTIAN)—*continued.*

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   edit. secunda, 4to, pp. 24, plates 2. Ratisbon, 1757.
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   4to, pp. 16, plate 1. Ratisbon, 1761.
8. Der Wunderbare und vieleicht in der natur noch nie erschienene Eulenzwitter, nebst der Baumraupe, aus welcher derselbe entstanden.
   4to, pp. 36, plates 5. Regensburg, 1761.

SCHLEIDEN (M. J.).

1. Contributions to Phytogenesis. Translated by Henry Smith.
   8vo, pp. 33. (With Schwann's Mic.-Researches.) London, 1847.
2. Principles of Scientific Botany: or, Botany as an Inductive Science. Translated by Edwin Lankester.
   8vo, pp. 616, plates 6, woodcuts 272. London, 1849.

SCHMALZ (EDUARDO).

1. XIX Tabulæ Anatomiam Entozoorum Illustrantes.
   8vo, pp. 60, plates 19. Dresdæ et Lipsiæ, 1831.

SCHMARDA (LUDWIG K.).

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   2 vols., 4to, pp. 84, 164, plates 15, 22. 1859—1861.

SCHOMBURGH (ROBERT H.).

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   8vo, pp. 13, plates 2. London, 1847.

SCHULTZ (C. H.).

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   4to, pp. 104, plates 23. Paris, 1833.
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   4to, pp. 110, plates 23. Paris 1839.

SCHULTZE (MAX SIGMUND).

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   fol. pp. 68, plates 7. Leipzig, 1854.
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   8vo, pp. 9, plate 1. (Papers on Diatomaceæ, vol. iv.) London, 1858.
3. On the Structure of the Valve in the Diatomaceæ as compared with certain Siliceous pellicles produced artificially by the decomposition in moist air of Fluo-silicic acid gas. (Fluoride of Silicum.)
   8vo, pp. 16, plate 1. (Papers on Diatomaceæ, vol. vi.) London, 1863.
4. Das Protoplasma der Rhizopoden und der Pflanzenzellen. Ein Beiträge zur Theorie der Zelle.
   8vo, pp. 68. Leipizg, 1863.
5. Archiv für Mikroskopische Anatomie.
   Erster Band, 8vo, pp, 150, plates 7. Bonn, 1865.

SCHWANN (TH.).

1. Microscopical researches into the accordance in the Structure and Growth of Animals and Plants. Translated by Henry Smith.
   8vo, pp. 224, plates 4. London, 1847.

SHADBOLT (GEORGE).

1. A short Description of some new forms of Diatomaceæ, from Port Natal.
   8vo, pp. 6, plates 1. (Papers on Diatomaceæ, vol. iii.) London, 1853.

SIEBOLD (C. TH. VON) and STANNIUS (H.).

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   8vo, pp. 470. London and Boston, 1854.

SIEBOLD (CARL THEODOR ERNST VON).

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   8vo, pp. 108, plate 1. London, 1857.

SIMON (FRANZ).

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   8vo, pp. 620, woodcuts. Berlin, 1844.

SLACK (HENRY J.)

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   8vo, pp. 197, plates 7, and woodcuts. London, 1861.
2. On the Application of the Microscope to the art of design.
   8vo, pp. 4, plate 1. (8vo Tracts, vol. v).
   London, 1862.

SMEE (ALFRED).

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   8vo, pp. 174, plates 10. London, 1846.
2. Instinct and Reason, deduced from Electro-Biology.
   8vo, pp. 320, plates 10. London, 1850.

SMITH (HAMILTON L.).

1. Notes of Diatomaceæ, found near Gambia, Ohio.
   8vo, pp. 3. (Papers on Diatomaceæ, vol. iv.)
   London, 1860.

SMITH (J.), BECK (R.), and BECK (J.).

1. Illustrated Catalogue of Scientific Instruments.
   Part I, Microscopes, Dissecting Instruments, &c.
   Part II, Meteorological Instruments.
   Roy. 8vo, pp. 62, woodcuts. London, 1865.

SMITH (WILLIAM).

1. Notes on the Diatomaceæ, with Descriptions of British Species included in the genera Campylodiscus, Surirella, and Cymatopleura.
   8vo, pp. 14, plates 3. (Papers on Diatomaceæ, vol. i.) London, 1851.

2. On the Germination of the Spore in the Conjugatæ.
   8vo, pp. 2. (Papers on Diatomaceæ, vol. iv.) London, 1851.

3. Notes on the Diatomaceæ; with Descriptions of British Species included in the genus Pleurosigma.
   8vo, pp. 12, plates 2. (Papers on Diatomaceæ, vol. i.) London, 1852.

4. A Synopsis of the British Diatomaceæ.
   8vo, 2 vols., pp. 123, 137, plates 67. London, 1853.

5. Notes on French Diatomaceæ, collected in May and June, 1854.
   8vo, pp. 11, plates 1. (Papers on Diatomaceæ, vol. iii.) London, 1855.

6. Notes of an Excursion to the South of France and the Auvergne, in search of Diatomaceæ.
   8vo, pp. 9, plate 1. (Papers on Diatomaceæ, vol. ii.) London, 1855.

7. Notes on French Diatomaceæ, chiefly Pyrenæan, collected in 1856.
   8vo, pp. 15, plates 2. (Papers on Diatomaceæ, vol. iii.) London, 1857.

SMITH (—).

1. On the Causes Contributing to the Production of Disease through Atmospheric Agency.
   8vo, pp. 6, woodcuts. (8vo Tracts, vol. iv.) London, 1848.

SOLLITT (J. D.), and HARRISON (R).

1. On the Diatomaceæ found in the vicinity of Hull.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. iii.) London, 1853.

SOLLITT (J. D.).

1. On the Measurement of the Striæ of Diatoms.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. iv.) London, 1859.

SORBY (HEN. C.).

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   8vo, pp. 6. (Geol. Jour., vol. vii.) London, 1851.
2. On the Microscopical Structure of Crystals indicating the Origin of Minerals and Rocks.
   8vo, pp. 48, plates 4. (Geol. Journal, vol. xiv.) London, 1858.

SPALLANZANI (LAZARO).

Dissertations relative to the Natural History of Animals and Vegetables.

1. 1st edit., 2 vols., 8vo, pp. 328, 385, plates 3. London, 1784.
2. 2nd edit., 2 vols., 8vo, pp. 391, 487, plates 3. London, 1789.

STARK (ROBERT M.).

1. A Popular History of British Mosses.
   Roy. 16mo, pp. 322, plates 20. London, 1854.

STAVELEY (MISS).

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   4to, pp. 14, plates 2. (Linnean Trans. vol. xxiii.) London, 1862.

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   8vo, pp. 132, plates 3. (Ray Society.) London, 1845.
2. Hectocotylus-formation in Argonauta and Tremoctopus explained by Observations on Similar Formations in the Cephalopoda in General.
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STEIN (FRIEDRICH).

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   4to, pp. 265, plates 6. Leipzig, 1854.
2. Der Organismus der Infusionsthiere.
   1 abtheilung, fol., pp. 206, plates 14. Leipzig, 1859.

STEPHENS (JAMES FRANCIS).

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   11 vols., 8vo, plates. London, 1828—1846.

STILLING (B.).

1. Anatomische und Mikroskopische untersuchungen über den feineren Bau der Nerven-primitivfaser und der Nervenzelle.
   4to, pp. 152, plates 2. (4to Tracts, vol. iv.) Frankfort, 1856.

STODDER (CHARLES).

1. Report on Slides of Diatomaceæ, mounted by E. Samuels for Boston, (U.S.) Society of Natural History, and presented to the Microscopical Society of London.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. v.) London, 1861.

STRAUS-DURCKHEIM (HERCULE).

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   4to, pp. 470, plates 19. Paris, 1828.

SULLIVANT (W. S.) and WORMLEY (T. G.).

1. On the Measurement of the Striæ of Diatoms.
   8vo, pp. 4. (Papers on Diatomaceæ, vol. iv.) Newhaven, 1859.
2. On Nobert's Test Plate, and the Striæ of Diatoms.
   8vo, pp. 7. (Papers on Diatomaceæ, vol. v.) Newhaven, 1861.

SURIRAY (—).

1. Notice sur quelques Parasites et Produits Organiques du Lombric terrestre, pour servir à sa Physiologie.
   8vo, pp. 8, plate 1. (8vo Tracts, vol. vi.) Paris, 1856.

SWAMMERDAM (JOHANNES).

1. Histoire Générale des Insectes.
   4to, pp. 215, plates 13. Utrecht, 1685.
2. Historia Insectorum Generalis.
   2nd edit., 4to pp. 230, plates 13. Utrecht, 1693.

SWAMMERDAM (JOHANNES)—*continued.*

3. Biblia Naturæ, sive Historia Insectorum. Dutch version, by H. D. Gantius, with the Latin, in double columns.
fol., 3 vols., pp. 362, 363, 910, index 36, 124, plates 53. Leyden, 1737.
4. The Book of Nature, or the History of Insects. Translated by Thomas Ffloyd, and revised by John Hill, M.D.
fol., pp. 153, plates 53. London, 1758.

T.

TAYLOR (ROBERT).

1. On a Diatom Finder.
8vo, p. 1. (Papers on Diatomaceæ, vol. iv.) London, 1859.

THOMPSON (JOHN V.).

1. Zoological Researches and Illustrations of Natural History of nondescript or imperfectly known Animals.
8vo, pp. 102, plates 14. Cork, 1828.

THOMSON (R. D.).

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8vo, pp. 15, plates 5. (Report on Cholera, Board of Health.) London, 1855.

THWAITES (G. H. K.).

1. On Conjugation in the Diatomaceæ. (Part I.)
8vo, pp. 3, plate 1. (Papers on Diatomaceæ, vol. i.) London, 1847.
2. On Conjugation in the Diatomaceæ. (Part II.)
8vo, pp. 2, plate 1. (Papers on Diatomaceæ, vol. i.) London, 1847.
3. Further Observations on the Diatomaceæ, with descriptions of new Genera and Species.
8vo, pp. 12, plates 2. (Papers on Diatomaceæ, vol. i.) London, 1848.

TOMES (JOHN).

1. On the Structure of the Dental Tissues of Marsupial Animals, and more especially of the Enamel.
   4to, pp. 10, plates 2. (Phil. Trans., 1849.)
   London, 1849.
2. On the Structure of the Dental Tissues of the Order Rodentia.
   4t pp. 39, plates 4. (Phil. Trans., 1850.)
   London, 1850.

TOYNBEE (HENRY).

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   8vo, pp. 620, plates 14. Quedlinburg, 1775.

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   4to, pp. 28, plate 1. Paris, 1836.

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   New edition, 8vo, pp. 335, plates 12, woodcuts 66.
   London, 1857.

V.

VALENTIN (G.).

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   8vo, pp. 312, woodcuts 84. Leipzig, 1861.

VAN BENEDEN (P. J.).

1. Memoire sur les Vers Intestinaux.
   4to, pp. 376, plates 27. Paris, 1858.

VAN DER HOEVEN (J.).

1. Handbook of Zoology. Translated by the Rev. William Clark.
   2 vols., 8vo, pp. 853, 775, plates 15, 9.
   Cambridge, 1856—1858.

VARLEY (CORNELIUS), and VALENTINE (WILLIAM).

1. Improvements in the Microscope.
   8vo, pp. 97, plates 3. London, 1832.

VAUCHER (JEAN PIERRE).

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   4to, pp. 285, plates 17. Geneve, 1803.

VOGEL (JULIUS).

1. Anleitung zum Gebrauch des Mikroskopes, zur Zoochemischen Analyse, und zur Mikroskopischchemischen untersuchung.
   8vo, pp. 499, plates 3. Leipzig, 1841.

W.

WAGNER (RUDOLPH).

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   8vo, pp. 264. London, 1845.

WALKER (GEORGE).

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WALKER-ARNOTT (G. A.).

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   8vo, pp. 3. (Papers on Diatomaceæ, vol. iii.)
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   8vo, pp. 7. (Papers on Diatomaceæ, vol. iii.)
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3. On Arachnoidiscus.
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   London, 1858.
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   8vo, pp. 3. (Papers on Diatomaceæ, vol. iv.)
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5. Notes on Arachnoidiscus, Pleurosigma, Amphiprora, Eunotia, and Amphora.
   8vo, pp. 12. (Papers on Diatomaceæ, vol. iv.)
   London, 1858.
6. Dr. Walker-Arnott, in reply to Dr. Donkin.
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   London, 1859.
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   8vo, pp. 9. (Papers on Diatomaceæ, vol. iv.)
   London, 1859.
8. On Bermuda Tripoli.
   8vo, pp. 1. (Papers on Diatomaceæ, vol. iv.)
   London, 1859.

WALKER-ARNOTT (G. A.)—*continued.*

9. On Cyclotella.
8vo, pp. 4. (Papers on Diatomaceæ, vol. v.)
London, 1860.

WALLICH (GEORGE C.).

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London, 1860.
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8vo, pp. 38. London, 1860.

WALLICH (GEORGE C.)—*continued.*

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    Part I, 4to, pp. 160, map, and plates 6. London, 1862.
12. On the extent, and some of the principal causes of Structural Variation among the Difflugian Rhizopoda.
    8vo, pp. 31, plates 2. (8vo Tracts, vol. vii.) London, 1864.
13. On the Structure and Affinities of the Polycystinæ.
    8vo, pp. 28. (Papers on Diatomaceæ, &c., vol. vii.) London, 1865.

WARD (HON. MRS.).

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   8vo, pp. 56, plates 14. London, 1858.
2. Microscope Teachings; descriptions of various objects of especial interest and beauty adapted for Microscopic Observation.
   8vo, pp. 219, plates 16, and woodcuts. London, 1864.

WATKINS (FRANÇOIS).

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   8vo, pp. 97, plates 3. Londres, 1754.

WEAVER (THOMAS).

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   8vo, pp. 44. (8vo Tracts, vol. vii.) London, 1841.

WEDL (CARL).

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   8vo, pp. 637, woodcuts 172. London, 1855.

WELCKER (HERMANN).

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   8vo, pp. 44, plate 1. (8vo Tracts, vol. v.) Giessen, 1856.

WELCKER (HERMANN)—*continued.*

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   8vo, pp. 2. (Papers on Diatomaceæ, vol. iv.) London, 1859.

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   8vo, pp. 4. (Papers on Diatomaceæ, vol. iii.) London, 1857.

WEST (TUFFEN).

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   8vo, pp. 3. (Papers on Diatomaceæ, vol. iii.) London, 1858.
2. Remarks on some Diatomaceæ new or imperfectly described, and a new Desmid.
   8vo, pp. 7, plate 1. (Papers on Diatomaceæ, vol. v.) London, 1860.
3. The Foot of the Fly; its structure and action; elucidated by comparison with the feet of other Insects.
   Part I, 4to, pp. 28, plates 3. (Linnean Trans., vol. xxiii.) London, 1862.

WESTWOOD (J. O.).

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   8vo, pp. 432, plates 5, and woodcuts. London, 1838.
2. An introduction to the Modern Classification of Insects.
   2 vols., 8vo, pp. 462, 745, plate 1, and woodcuts. London, 1839.

WHEATSTONE (C.).

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   8vo, pp. 4. (Papers on Diatomaceæ, &c., vol. iii.) London, 1853.

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   8vo, pp. 128, plates 4. (Mem. of Lit. and Phil. Soc. of Manchester, vol. viii.) London, 1848.
2. On the recent Foraminifera of Great Britain.
   Fo., pp. 100, plates 7. (Ray Society.) London, 1858.

WILLKOMM (MORITZ).

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   8vo, pp. 224, plate 1, woodcuts 145. Leipzig, 1856.

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   4to, pp. 84, plates 16. Edinburgh, 1833.

WOLLASTON (WILLIAM HYDE).

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   4to, pp. 6. (Phil. Trans.) London, 1820.

WOOD (J. G.).

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   8vo, pp. 188, plates 12, coloured. London, 1861.
   8vo, pp. 127, plates 12, plain. London, 1861.
2. Our Garden Friends and Foes.
   8vo, pp. 438, plates 8, and woodcuts. London, 1864.

WOODWARD (CHARLES).

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   3rd edit., 8vo, pp. 54, woodcuts. London, 1861.

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WYTHES (JOSEPH H.).

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   2nd edit., 8vo, pp. 212, plates 2, woodcuts 63.
   Philadelphia, 1853.

SUPPLEMENT.

AGASSIZ (LOUIS).

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4to, pp. 1481. Soloduri, 1842—1846.

ARCHER (WILLIAM).

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8vo, pp. 8. (Papers on Diatomaceæ, &c., vol. vii.)
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CLAPARÈDE (ÉDOUARD), LACHMAN (JOHANNES).

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Genève, 1858—1861.

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8vo, pp. 516, plates 12. Paris, 1857.

GREVILLE (ROBERT KAYE).

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8vo, pp. 10, plates 2. (Papers on Diatomaceæ, vol. vii.) London, 1865.

JOHNSTON (GEORGE).

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8vo, pp. 365, plates 24, woodcuts 50. London, 1865

MICROSCOPICAL SOCIETY.

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8vo, pp. 18, woodcuts 2. London, 1865.

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